

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Hill, Franklin  
**Sent:** Fri 9/16/2016 1:02:56 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

I know Jim. This Stan being Stan.

Sent from my iPhone

On Sep 15, 2016, at 9:02 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Franklin

My folks are focusing on response. We are not aware of what Tennessee is requesting.

Sent from my iPhone

Begin forwarded message:

**From:** "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Date:** September 15, 2016 at 8:51:32 PM EDT  
**To:** "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <[Meiburg.Stan@epa.gov](mailto:Meiburg.Stan@epa.gov)>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>, "Lapierre, Kenneth" <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Wilkes, Mary"

<Wilkes.Mary@epa.gov>

**Subject: Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill,  
Pelham, AL (NRC # 1158584) – Update #5**

Note: this SITREP did not include, but should have, the associated request  
by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>

**Date:** September 15, 2016 at 11:59:56 AM CDT

**To:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>

**Subject: EOC Spot Report: Region 4, Colonial Pipeline Spill,  
Pelham, AL (NRC # 1158584) – Update #5**

**This report is being sent as a bcc to prevent accidental Reply to All  
messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

<image001.png>

**EOC Spot Report: Region 4, Colonial Pipeline  
Spill into Pond Near Peel Creek, Pelham, AL  
(NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels

for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://AL.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)



[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

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Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Andrew, Gary  
**Sent:** Fri 9/16/2016 1:34:05 PM  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

This is the draft I sent out:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Gwen will forward invites to the ESF folks she wanted to brief today.

The Fish and Wildlife folks initially provided all of the information we needed to set up a PRFA, but no statement of work. Perhaps they had other ideas beyond NRDA. I will send you the package I forwarded to Greg that R5 uses when bringing FWS on board.

Gary A

**From:** Webster, James  
**Sent:** Friday, September 16, 2016 8:49 AM  
**To:** Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01)

(FOUO)

Sure

Lets develop a short agenda.

**From:** Andrew, Gary  
**Sent:** Friday, September 16, 2016 8:17 AM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Subject:** Fwd: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01)  
(FOUO)

Should we tie this into the 1pm call?

Gary A Andrew, CHMM

Federal On Scene Coordinator

EPA RRT IV Coordinator

678-733-1621

Begin forwarded message:

**From:** "Keenan, Gwen" <[gwen.keenan@fema.dhs.gov](mailto:gwen.keenan@fema.dhs.gov)>  
**Date:** September 16, 2016 at 7:56:21 AM EDT  
**To:** "Andrew, Gary" <[Andrew.Gary@epa.gov](mailto:Andrew.Gary@epa.gov)>  
**Subject:** FW: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16  
(Update 01) (FOUO)

Gary,

We were looking to an awareness briefing with partners. Is RRT already doing anything that we could tap into?

We were thinking of having NPPD, ESFs 1/3/10/12/15 for SA.

I don't want to muck up something already in works.

VR

Gwen

Gwen Keenan

FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

---

**From:** Robinson, Donald  
**Sent:** Friday, September 16, 2016 12:29:50 PM  
**To:** Keenan, Gwen  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

That's a great idea...we were trying to figure out how to engage with doe regionally.

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**From:** Keenan, Gwen  
**Sent:** Friday, September 16, 2016 12:21:44 PM  
**To:** Robinson, Donald  
**Subject:** FW: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

Don,

I know there are some info distribution concerns with this, but would it be acceptable to bring in some of our ESFs and maybe state partners to discuss status and contingencies?

We have been laying the ground work to wargame some fuel/energy issues so I was just considering accelerating that group's discussion.

I don't want to be Henny Penny but neither do I want to sit in my heels and wish anything away.

Also, ok if I share with my counterparts in R2 and 3? I assume they are receiving from their "you" but you know what they say about assuming.....

VR  
Gwen

Gwen Keenan  
FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

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**From:** Keenan, Gwen  
**Sent:** Friday, September 16, 2016 12:02:56 PM  
**To:** Brown, Terry L; Hare, Kertz M; Sachtleben, Glen; Gunnin, Stacy; Goza, Lora  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

All,

It is probably worth spending so time with partners (particularly 12) to work through potential impacts and options IF we had an event right now/in near future.

If pipeline stayed down and we had a system come in, the maritime contingency they mentioned could be shut down for a significant period.

Based on the verbiage below, this has pretty significant service to most of R4, as well as R2 and R3.

On one hand, not our baby right now. But we could be handling the consequences in fairly short order.

Thoughts/suggestions?

Gwen Keenan  
FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

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**From:** FEMA-R4-WatchUnit  
**Sent:** Friday, September 16, 2016 6:41:15 AM  
**To:** Colton, Kevin; FEMA-MOC-THOMASVILLE; FEMA-R4-WatchUnit; Keenan, Gwen; Amos, George; Baker, Stuart; Bell, Jacky; Brown, Terry L; Bruey, Gary; Burnside, Conrad; Goza, Lora; Greene, Crystal; Gunnin, Stacy; Hare, Kertz M; Hudak, Mary; Jarvis, Allan; Newton, Elton Andrew; Perales, Anthony; Reginello, Jackie; Rhoads, Valerie; Robinson, Talmadge; Sachtleben, Glen;

Baker, Stuart; Bruey, Gary; Goodman, Amy; Hudak, Mary; Jarvis, Allan; Keenan, Gwen; Munoz, Jesse; Newton, Elton Andrew; Quarles, Terry; Robertson, Wilhelmina; Sachtleben, Glen; Samaan, Robert; Szczech, Gracia; Turner, Libby; Winfield, W Montague; Yearwood, George; Girot, Jose; Haywood, Robert A; Moore, Mike (FCO); Nunn, Willie; Parker, Michael; Riley, Warren; Toro, Manny J; Turner, Libby; Baker, Stuart; Hudak, Mary; Samaan, Robert; Szczech, Gracia; Yearwood, George; Teague, Brian; 'Thompson, John W. COL DCO'; Yee, Lai Sun  
**Subject:** FW: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

FYSA

Point of Contact:

Frank Crutchfield, Watch Analyst

Region IV Watch Center

Phone: 770-220-3158/3159/3162, Fax: 770-220-8797

[FEMA-R4-WatchUnit@fema.dhs.gov](mailto:FEMA-R4-WatchUnit@fema.dhs.gov)

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For your situational awareness:

**Critical Infrastructure Involved:** Transportation Systems (Pipeline Systems)

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**(For Mobile Devices)**

On 09 Sep, Colonial Pipeline reported two gasoline pipelines were shut down as a precaution due to a pipeline leak in Helena, AL.

- The Department of Energy reported the leak on the 1.37 million barrels per day (b/d) Line 1 spilled an estimated 6,000 barrels of gasoline (252,000 gallons) since it was discovered on 09 Sep

➤ The company shut down its main gasoline and distillate lines – Lines 1 and 2 – on Friday 09 Sep, but have since restarted the 1.16 million (b/d) Line 2

- On 15 Sep, Colonial Pipeline reported it was delaying the full restart of its Line 1 until next week

➤ The company had previously expected to restart Line 1 by this weekend but work was delayed on Wednesday evening and into Thursday morning due to unfavorable weather conditions, which caused gasoline vapors to settle over the incident site

- According to Colonial Pipeline, based on current projections and consultations with industry partners, parts of Georgia, Alabama, Tennessee, North Carolina and South Carolina will be the first markets to be impacted by any potential disruption in supply

➤ Colonial Pipeline provided no specifics on potential impacts in these states

- In order to mitigate potential supply disruptions, Colonial Pipeline reports they executed a contingency plan to move gasoline on Line 2 which normally carries diesel, jet fuel, and home heating products

➤ Additionally, they restarted a portion of Line 1 upstream of the spill site between Houston, TX and Boligee, AL

➤ Colonial also reported fuel shippers have begun to implement contingency plans to further mitigate potential disruption to their operations, including dispatching waterborne cargoes from the Gulf Coast to markets along the Eastern Seaboard

- On 15 Sep 16, the Governors of Alabama and Georgia declared a state of emergency to keep gas flowing

➤ The declaration will facilitate the granting of a waiver from the U.S. Department of Transportation- Federal Motor Carrier Safety Administration to aide in transportation of fuel and commodities to the affected area

- As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public

➤ According to the Federal Aviation Administration, this restriction will remain in effect until September 18, 2016

- The Colonial pipeline system connects Gulf Coast refineries with markets across the southern and eastern U.S. through more than 5,500 miles of pipeline, delivering gasoline, diesel, jet fuel, and other refined products

➤ Lines 1 and 2 run from Houston, TX to Greensboro, NC, supplying markets in

MS, AL, TN, SC, and NC

➤ Colonial's Lines 3 and 4 move fuels north from Greensboro, NC to markets in VA, MD, PA, and NJ before terminating in the NY Harbor area

The NICC continues to monitor this incident and will provide additional information if warranted.

If you have any questions or concerns about this matter, contact the NICC at 202-282-9201 or [NICC@hq.dhs.gov](mailto:NICC@hq.dhs.gov).

V/R,

NICC Watch Operations

Department of Homeland Security

202-282-9201

Email: [nicc@hq.dhs.gov](mailto:nicc@hq.dhs.gov)

HSDN: [ip.nicc@dhs.sgov.gov](mailto:ip.nicc@dhs.sgov.gov)

JWICS: [ip.nicc@dhs.ic.gov](mailto:ip.nicc@dhs.ic.gov)

For information about the Hometown Security initiative, please visit:

[www.dhs.gov/hometown-security](http://www.dhs.gov/hometown-security)

For more information on the NICC go to:  
[DHS National Infrastructure Coordinating Center](#)

Distro List:

Finished Reports I/II/III



NICC SWO

NICC ASWO

NICC Support

PSA AL, GA, SC, NC

PSA Region IV, III, II

ISCD Region 4, 3, 2

NPPD Region 4 Pilot Team

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**To:** Webster, James[Webster.James@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 2:41:34 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Jim,

You are asking me to include the agency names in that paragraph, correct?

Thanks,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street, S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:42 AM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous

explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

● Preform water sampling

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Willis, Forest A CIV  
**Sent:** Thur 9/15/2016 1:40:34 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Thanks

-----Original Message-----

**From:** Webster, James [mailto:Webster.James@epa.gov]  
**Sent:** Thursday, September 15, 2016 9:27 AM  
**To:** Willis, Forest A CIV  
**Subject:** [Non-DoD Source] FW: SITREP #5 - Pelham Pipeline Spill

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:48 AM  
**To:** william.deas@HQ.DHS.GOV; michael.k.sams@uscg.mil  
**Cc:** Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322



harper.greg@epa.gov

From: Harper, Greg  
Sent: Wednesday, September 14, 2016 8:51 PM  
Cc: Harper, Greg <Harper.Greg@epa.gov>  
Subject: SITREP #5 - Pelham Pipeline Spill

epa\_er\_logo.gif

NRC 1158584, Pelham Pipeline Spill

Pelham, Shelby County, Alabama

SITUATION REPORT #5

1800 CDT, September 14, 2016

#### INCIDENT DESCRIPTION

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The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## INCIDENT MANAGEMENT

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

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## REPORTING SCHEDULE

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## CURRENT OPERATIONS

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

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OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- \* Continue to participate in UC
- \* Monitor removal activities
- \* Monitor safety air monitoring
- \* Participate in the Joint Information Center
- \* Prepare for and coordinate a transition to a removal phase
- \* Perform water sampling

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:58:21 PM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

I will work on that.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street, S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

Sent from my iPhone

On Sep 15, 2016, at 8:42 AM, Webster, James <Webster.James@epa.gov> wrote:

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

<image002.jpg>

# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate

members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have



been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

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- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ Preform water sampling

**To:** michael.k.same@uscg.mil[michael.k.same@uscg.mil]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:48:31 PM  
**Subject:** [Non-DoD Source] FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Sorry Mike,

Keyed in wrong email address

**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:46 AM  
**To:** forest.a.willis@uscg.mil; 'michake.k.sams@uscg.mil' <michake.k.sams@uscg.mil>;  
'william.deasW@hq.dhs.gov' <william.deasW@hq.dhs.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Fyi

Asking them to edit the notification portion to include actual agencies notified.

jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members

were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

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Current number of EPA Personnel Assigned: 4

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### **REPORTING SCHEDULE**

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### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

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## PLANNED RESPONSE ACTIVITIES

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- Monitor removal activities
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**To:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil];  
michake.k.sams@uscg.mil[michake.k.sams@uscg.mil];  
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**From:** Webster, James  
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**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

## **INCIDENT DESCRIPTION**

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Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

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### **REPORTING SCHEDULE**

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### **CURRENT OPERATIONS**

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### **PLANNED RESPONSE ACTIVITIES**

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- □□□□□□□□ Preform water sampling

**To:** Webster, James[Webster.James@epa.gov]  
**From:** McGuire, Jim  
**Sent:** Mon 9/12/2016 12:00:03 PM  
**Subject:** FW: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

fyi

**From:** Meiburg, Stan  
**Sent:** Saturday, September 10, 2016 2:53 PM  
**To:** McGuire, Jim <McGuire.Jim@epa.gov>  
**Cc:** Hill, Franklin <Hill.Franklin@epa.gov>; Cheatham, Reggie <cheatham.reggie@epa.gov>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

Wow! Kind of a rather large upgrade to boost the spill estimate by two orders of magnitude. I have gotten used to lowball first estimates but this seems extreme!

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>  
**Date:** September 10, 2016 at 1:16:16 PM EDT  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1**

**US Environmental Protection Agency**

**Report as of 1315 ET on 09/10/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36” subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline initially estimated that between 1000-2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate; Unified Command now reports that at least 100,000 gallons of gasoline have been spilled. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities.

Work to remediate the spill is delayed due to high concentrations of volatile organic compounds (VOCs) emitted by the large areas of pooled gasoline. Rain is forecasted for Sunday, September 11<sup>th</sup> and Monday, September 12<sup>th</sup>. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. Four United States Coast Guard (USCG) Gulf Strike Team (GST) members were requested and will assist with health and safety oversight.

**EPA Actions:** A Region 4 OSC was initially deployed to assist with the response and has integrated into Unified Command. Two additional OSCs have now been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was also requested and will assist at the Joint Information Center (JIC). A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** Low (local only)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]; Heard, Anne[Heard.Anne@epa.gov]; Lapierre, Kenneth[lapierre.kenneth@epa.gov]  
**Cc:** Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Kemker, Carol[Kemker.Carol@epa.gov]; Fite, Mark[Fite.Mark@epa.gov]; Davis, Amber[Davis.Amber@epa.gov]  
**Sent:** Fri 9/16/2016 7:26:22 PM  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Jeaneanne,

Do we need to ask Colonia to forward this request to the states or can we make the states aware of the situation?

jw

**From:** Gettle, Jeaneanne  
**Sent:** Friday, September 16, 2016 2:19 PM  
**To:** Heard, Anne <Heard.Anne@epa.gov>; Lapierre, Kenneth <Lapierre.Kenneth@epa.gov>  
**Cc:** Hicks, Javoyne <Hicks.Javoyne@epa.gov>; Jenkins, Brandi <Jenkins.Brandi@epa.gov>; Jones-Johnson, Shea <Jones-Johnson.Shea@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>; Webster, James <Webster.James@epa.gov>; Kemker, Carol <Kemker.Carol@epa.gov>; Fite, Mark <Fite.Mark@epa.gov>; Davis, Amber <Davis.Amber@epa.gov>  
**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Anne and Ken:

I wanted to make you aware that based on our consultation with HQ the states must make this request, not Colonial Pipeline.

I have advised Franklin and am copying him here. If you have any questions this afternoon, Amber Davis is in the office and I am available via cell except btwn 3:30 - 6:00. My cell is 404-861-6626.

Thanks

Jeaneanne



Sent from my iPhone

On Sep 16, 2016, at 1:39 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry  
**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;  
Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to commingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Date:** September 16, 2016 at 1:39:06 PM EDT

**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill,

Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>

Cc: "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Subject: RE: Waiver of Certain Reformulated Gasoline Regulations**

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry

**Sent:** Friday, September 16, 2016 1:31 PM

**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]

**Sent:** Friday, September 16, 2016 1:24 PM

**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>

**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;

Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>

**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be

sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**

**To:** Hill, Franklin[Hill.Franklin@epa.gov]  
**From:** Webster, James  
**Sent:** Sat 9/17/2016 12:06:32 AM  
**Subject:** Fwd: SITREP #7 - Pelham Pipeline Spill  
[image003.jpg](#)  
[ATT00001.htm](#)  
[Pelham Pipeline Spill SITREP 7 09162016.pdf](#)  
[ATT00002.htm](#)

Sitrep came out immediately after our call have asked crew to include waiver stuff in special ERNS in morning.

Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Date:** September 16, 2016 at 8:03:47 PM EDT  
**Cc:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #7 - Pelham Pipeline Spill

# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #7**

1800 CDT, September 16, 2016

-

-

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to CPC was made by a state mining inspector; however no volume estimate was provided at the time. CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will assume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a Region 4 public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

A 6-inch pipe was observed discharging water from Pond 3; however flow was restricted and likely due to a blockage. CPC has installed a plug in the pipe to reduce the potential of petroleum impacted water being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work zones and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

CPC has managed to recover approximately 286,481 gallons of fuel and 233,228 gallons of mixed oil/water to date.

CPC performed a mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two underflow dams (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.



No adverse weather impacts are expected for the next operational period.

EPA/GST remain incorporated into Operations Section and air monitoring activities. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

Kerisa Coleman is representing EPA in the Joint Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue the collection of split surface water samples with CPC and conducting oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; subsequently, excavation in the area of the damaged pipe began at 1530 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

There are approximately 721 response worker onsite.

The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

### **PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

- Preform water sampling

**To:** Davis, Amber[Davis.Amber@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 11:56:44 PM  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Amber. We don't have a cause analysis yet. Will relay I do when we have something beyond speculation.

Sent from my iPhone

On Sep 16, 2016, at 7:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, just because folks keep asking me, what caused the pipeline break?

Sent from my iPhone

On Sep 16, 2016, at 7:10 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

They are excavating pipe now but gas fumes are hampering activity. We do not have a date certain. Sometime next week.

Sent from my iPhone

On Sep 16, 2016, at 4:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, can you respond to this?

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Thompson, Christopher  
**Sent:** Friday, September 16, 2016 4:14 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Sorry if already asked...but do your emergency response folks have any inside information as to when colonial will be able to start to make repairs?

Sent from my iPhone

On Sep 16, 2016, at 2:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Madison,

Thank you for taking my call! I know that you are on the phone with Colonial now. When you're available, can you clarify whether or not this issue is a Region 4 one, or if it is confined to MD, VA, and DC? Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison

**Sent:** Friday, September 16, 2016 2:50 PM

**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber

<[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher

<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt

<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff

**Sent:** Friday, September 16, 2016 2:49 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher  
<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt

<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison  
<[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person?  
Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeaneanne

**Sent:** Friday, September 16, 2016 1:54 PM

**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>

**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>

**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
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Thanks Terry

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**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.



Terry.

**From:** Coleman, Shannon P. [mailto:spcoleman@colpipe.com]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>  
**Cc:** Lohoff, Drew <dlohoff@colpipe.com>; Harris, Erin  
<eharris@colpipe.com>; Seagraves, Preston T  
<PSeagrav@colpipe.com>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

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I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

Exemption 6 Personal Privacy

**From:** Webster, James-  
**Location:** 1-866-299-3188; 4045628758#  
**Importance:** High  
**Subject:** FW: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**Start Date/Time:** Fri 9/16/2016 6:00:00 PM  
**End Date/Time:** Fri 9/16/2016 7:00:00 PM

Mike

Don't know if you were copied on this, but you are certainly welcome to call in. Sorry for short notice. This is just a situational update for those interested.

Ji,m

-----Original Appointment-----

**From:** Andrew, Gary

**Sent:** Friday, September 16, 2016 9:26 AM

**To:** Andrew, Gary; forest.a.willis@uscg.mil; Webster, James; Joyce\_St Stanley@ios.doi.gov; GSpringer@adem.state.al.us; Berry, Chuck; Loughran, Lori A LCDR; Eichinger, Kevin

**Cc:** lindy\_nelson@ios.doi.gov; Gwen Keenan; Stilman, Terry; Harper, Greg; Moore, Tony; Springer, Grady; Sachtleben, Glen

**Subject:** New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill

**When:** Friday, September 16, 2016 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:**

**Importance:** High

Information Redacted pursuant to  
5 U.S.C. Section 552 (b)(5), Exemption 5,  
Privileged Inter/Intra Agency Document

Time Adjusted to Meet Field Schedule

Specific Privilege:

*Deliberative Process*

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: EPA OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Information Redacted pursuant to  
5 U.S.C. Section 552 (b)(5), Exemption 5,  
Privileged Inter/Intra Agency Document

Call-in #:

Specific Privilege: Deliberative Process

Conference #:

**To:** Dorsey, Claudette[Dorsey.Claudette@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 4:25:31 PM  
**Subject:** RE: SFD Weekly Accomplishments Report for HQ  
DRAFT - REPORT ITEM DESCRIPTION-09-15-16.docx

I highlighted the items in yellow. Also made a couple edits

jim

**From:** Dorsey, Claudette  
**Sent:** Friday, September 16, 2016 11:51 AM  
**To:** Webster, James <Webster.James@epa.gov>  
**Subject:** SFD Weekly Accomplishments Report for HQ

Jim, could you take a look at the attached list of items from SAMS that you feel are important enough to go to Headquarters for this week? Please return to me for distribution. Thanks

**Claudette Dorsey**

**Executive Staff Assistant**

**Environmental Protection Agency**

**Superfund Division**

**61 Forsyth Street**

**Atlanta, Georgia 30303**

**Office: (404) 562-8540**

**To:** Hill, Franklin[Hill.Franklin@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 2:04:35 AM  
**Subject:** Re: Overview Paper on Colonial Pipeline Spill and Fuel Waiver

Thanks franklin

Sent from my iPhone

On Sep 15, 2016, at 9:43 PM, Hill, Franklin <Hill.Franklin@epa.gov> wrote:

Jim this is what they forwarded this afternoon

Sent from my iPhone

Begin forwarded message:

**From:** "Davis, Amber" <Davis.Amber@epa.gov>  
**Date:** September 15, 2016 at 12:29:44 PM EDT  
**To:** "Gettle, Jeaneanne" <Gettle.Jeaneanne@epa.gov>  
**Cc:** "Webster, James" <Webster.James@epa.gov>, "Moore, Tony" <moore.tony@epa.gov>, "Worley, Gregg" <Worley.Gregg@epa.gov>, "Thompson, Christopher" <Thompson.Christopher@epa.gov>, "Gustafson, Kurt" <Gustafson.Kurt@epa.gov>, "Worley, Gregg" <Worley.Gregg@epa.gov>, "Fite, Mark" <Fite.Mark@epa.gov>, "Hill, Franklin" <Hill.Franklin@epa.gov>, "Kemker, Carol" <Kemker.Carol@epa.gov>, "Delli-Gatti, Dionne" <Delli-Gatti.Dionne@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Harper, Greg" <Harper.Greg@epa.gov>, "Benjamin, Lynorae" <benjamin.lynorae@epa.gov>  
**Subject:** Overview Paper on Colonial Pipeline Spill and Fuel Waiver

Jeaneanne,

Please see the attached overview of the Colonial Pipeline spill and subsequent fuel waiver granting process. The document has been reviewed by both Superfund and OECA. For reference, the signed waiver is also attached. Please don't hesitate to let me know if you need anything else as you prepare for the briefing with Administrator McCarthy.

Amber

P.S. A special thank you to Tony Moore and Chris Thompson for submitting their edits lickety-split!

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

<Fuel Waiver Concerning Atlanta Georgia and Nashville Tennessee (Final Signed).pdf>

<Colonial Pipeline Spill and Fuel Waiver 2016.docx>

**To:** Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 2:02:27 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Thanks Jeaneanne

I didn't see the final. If u could copy Tony Moore and I could appreciate it

Sent from my iPhone

On Sep 15, 2016, at 9:56 PM, Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)> wrote:

All

I'm a little confused The briefing sheet we developed together today included both the TN and GA fuel waiver.

I copied the final version to Franklin and Randall. I will shortly forward an update I sent tonight re the broader fuel outlook.

Pls let us know if you need other info.

JMG

Sent from my iPho

On Sep 15, 2016, at 9:20 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thank u so much.

Sent from my iPhone

On Sep 15, 2016, at 9:19 PM, Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)> wrote:

Will do.

Sent from my iPhone

On Sep 15, 2016, at 8:59 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

It's ok tony.

Carol,



Can we loop superfund in on requests as they come in?

Sent from my iPhone

On Sep 15, 2016, at 8:51 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <[Meiburg.Stan@epa.gov](mailto:Meiburg.Stan@epa.gov)>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>, "Lapierre, Kenneth" <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Wilkes, Mary" <[Wilkes.Mary@epa.gov](mailto:Wilkes.Mary@epa.gov)>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Note: this SITREP did not include, but should have, the associated request by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Date:** September 15, 2016 at 11:59:56 AM CDT  
**To:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>

**Subject: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5**

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**<image001.png>**

**EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36” subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles

away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which

include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest: Low (local)**

[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:coc.epahq@epa.gov>

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 2:53:02 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Yes please,

My USCG co-chair pointed out to me that we did not initially contact D8 or D7 (because we had GST deployed). So the agencies (e.g., DOI, Fish and Wildlife, etc).

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 10:42 AM  
**To:** Webster, James <Webster.James@epa.gov>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Jim,

You are asking me to include the agency names in that paragraph, correct?

Thanks,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:42 AM  
**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).



OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- [illegible]

**To:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 1:27:14 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
[Pelham Pipeline Spill SITREP 5 09142016.pdf](#)  
[Pelham Pipeline Spill SITREP 1 final 09102016.pdf](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[Pelham Pipeline Spill SITREP 3 09122016.pdf](#)  
[Pelham Pipeline Spill SITREP 4 09132016 \(02\).pdf](#)

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:48 AM  
**To:** william.deas@HQ.DHS.GOV; michael.k.sams@uscg.mil  
**Cc:** Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg

**Sent:** Wednesday, September 14, 2016 8:51 PM

**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the

release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See “Current Operations” for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- [illegible]



- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling



**NRC 1158584, Pelham Pipeline Spill,  
Pelham, Shelby County, Alabama**  
SITUATION REPORT #1  
1800, September 10, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

- ☐ Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- ☐ Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- ☐ The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data. Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.
- ☐ Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.
- ☐ Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.
- ☐ EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

1800, September 11, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Englert, OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe and install stopples to block the flow, but hard rock has delayed this process. Colonial currently estimates the pipe to be blocked and evacuated Tuesday. There is no update to the discharge volume.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an air monitoring network and are also providing roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% have been observed for short periods of time. Volatile Organic Compounds (VOC) levels remain high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). Benzene is also being monitored for, with a highest reading of 366.7 ppm. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery.

See the map below for the layout of the emergency response site

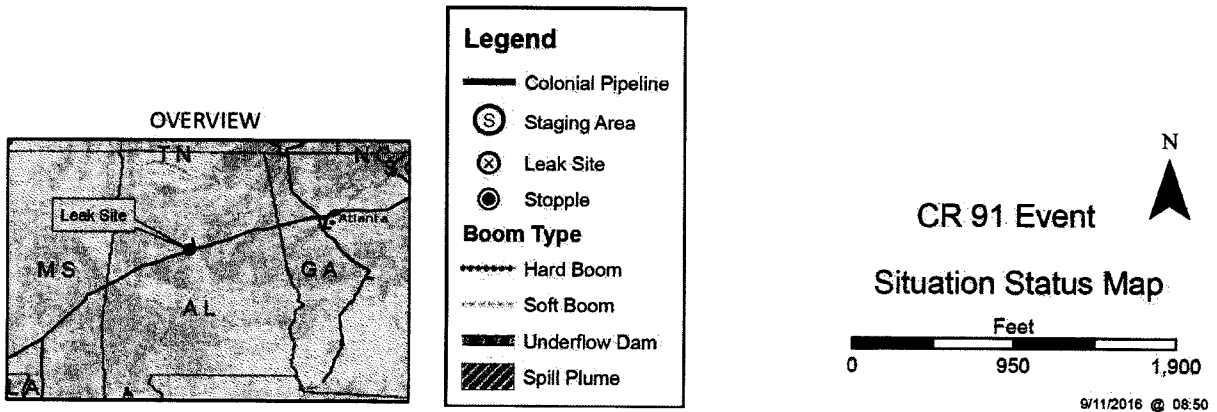
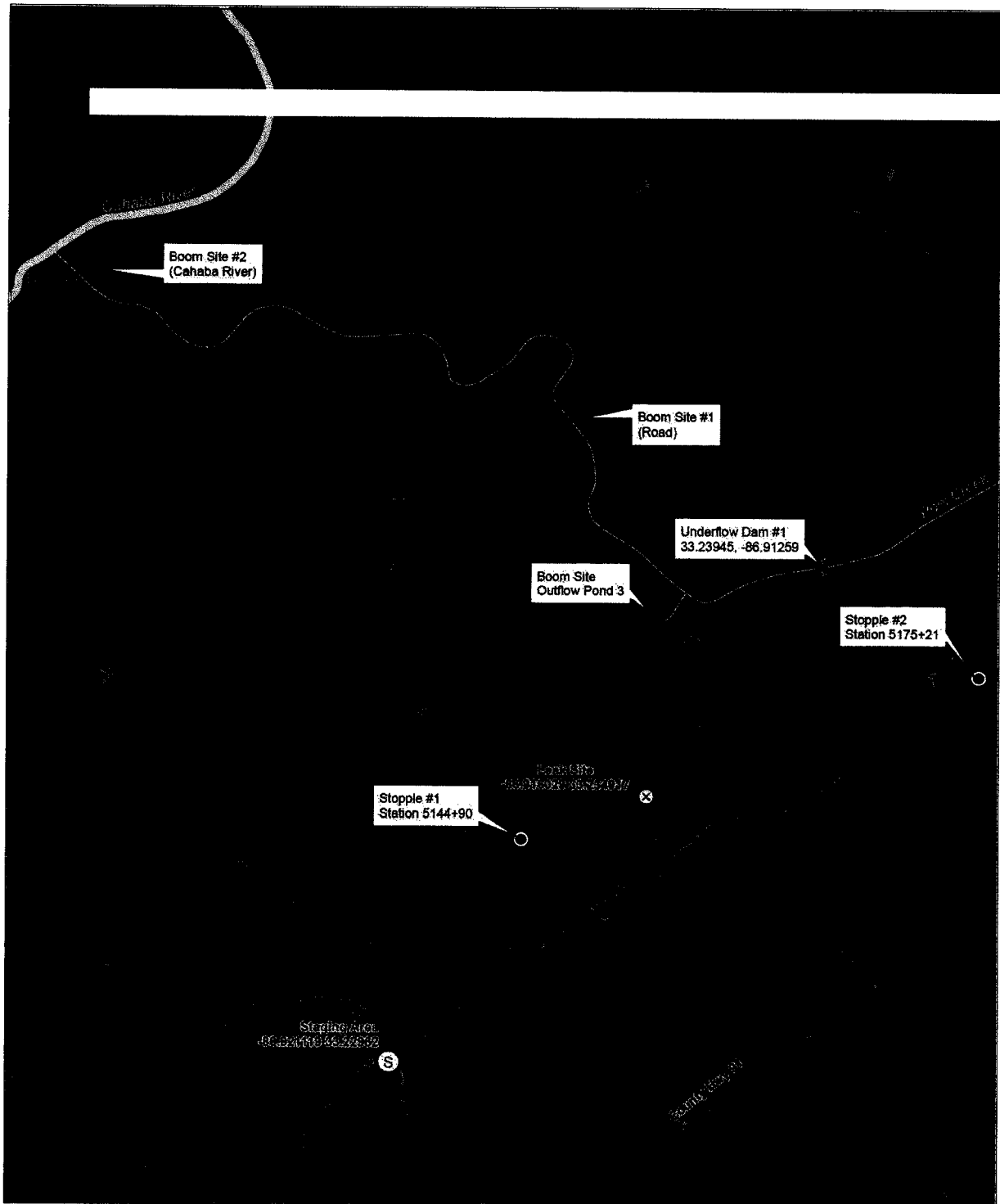
Colonial has removed 18260 gallons of liquid from Pond 2. The initial tactic of pumping directly into vacuum trucks is being transitioned to pumping into portable tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area. Currently, Colonial has been unable to pump due to elevated vapor levels; no product removal has occurred for the last 30 hours. There is no exact figure for the total volume of liquid in Pond 2, but the pond is 1.2 acres in size. Conservative estimates put the total volume approximately 1,000,000 gallons of petroleum contaminated water (3 feet deep).

Sheen was reported yesterday on Pond 3. UC decided to augment the existing protection, building an underflow dam and emplacing additional boom at the outfall. Subsequent investigation of the sheen showed it was biological in nature. However, it is assumed there is some hydraulic connectivity between the two ponds. Colonial is investigating additional diversion/collection structures further along the currently-dry Peel creek bed prior to its confluence with the Cahaba.

EPA/GST is incorporated into Operations and air monitoring. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. OSC Englert is assuming Deputy Incident Commander role for EPA during the overnight shift, but will maintain a field presence. Two GST members will also assist with the overnight shift.

## **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond— See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2



Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an Area RAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterday's, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8 ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit/circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the ponds outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4**

1800 CDT, September 13, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)—See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase.



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #5**

1800 CDT, September 14, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command which includes EPA, Colonial, ADEM, and Shelby County OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 4% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker truck to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to offload.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been

established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Participate in the Joint Information Center
- ☐ Prepare for and coordinate a transition to a removal phase
- ☐ Perform water sampling

**To:** michael.k.same@uscg.mil[michael.k.same@uscg.mil]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:48:31 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Sorry Mike,

Keyed in wrong email address

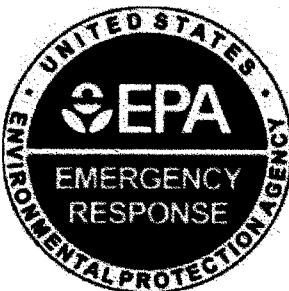
**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:46 AM  
**To:** forest.a.willis@uscg.mil; 'michake.k.sams@uscg.mil' <michake.k.sams@uscg.mil>;  
'william.deasW@hq.dhs.gov' <william.deasW@hq.dhs.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Fyi

Asking them to edit the notification portion to include actual agencies notified.

jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members



were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the

other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ Preform water sampling

**To:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil];  
michake.k.sams@uscg.mil[michake.k.sams@uscg.mil];  
william.deasW@hq.dhs.gov[william.deasW@hq.dhs.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:46:32 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Fyi

Asking them to edit the notification portion to include actual agencies notified.

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**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

## **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two

START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- □□□□□□□□ Continue to participate in UC
- □□□□□□□□ Monitor removal activities
- □□□□□□□□ Monitor safety air monitoring
- □□□□□□□□ Participate in the Joint Information Center
- □□□□□□□□ Prepare for and coordinate a transition to a removal phase
- □□□□□□□□ Preform water sampling





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command which includes EPA, Colonial, ADEM, and Shelby County OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increases the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continues to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 4% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker truck to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to offload.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been

established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Participate in the Joint Information Center
- ☐ Prepare for and coordinate a transition to a removal phase
- ☐ Perform water sampling

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:42:23 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

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gallons – See “Current Operations” for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

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- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring

- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling



✓  
**To:** Webster, James[Webster.James@epa.gov]  
**From:** Joyce Stanley  
**Sent:** Sat 9/17/2016 7:12:48 PM  
**Subject:** Re: Colonial Pipeline Spill

Yep, PRFA 101

Sent from my iPhone

On Sep 17, 2016, at 2:59 PM, Webster, James <Webster.James@epa.gov> wrote:

Hey Joyce

In follow up with Miguel. Looks like the proposed work will have to go under a NRDA after all. He should be reaching out to u. I am fairly certain that if F&W/DOI teach out yo NRDA folks at NPFC we can get the funding mechanism stright

Another reason to put thus on the next RRT agenda.

Sent from my iPhone

On Sep 17, 2016, at 1:27 PM, Stanley, Joyce <joyce\_stanley@ios.doi.gov> wrote:

Okay

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
- Mobile*

**joyce\_stanley@ios.doi.gov**  
**http://www.doi.gov/oepc/atlanta.html**

On Sat, Sep 17, 2016 at 1:25 PM, Webster, James <Webster.James@epa.gov> wrote:

If they need any help with NPFC, ease let us know.

Sent from my iPhone

On Sep 17, 2016, at 1:13 PM, Stanley, Joyce <joyce\_stanley@ios.doi.gov> wrote:

Thanks James for this explanation. It really clears up things.

**Joyce A. Stanley, MPA**  
**Regional Environmental Protection Specialist**  
**US Department of the Interior**  
**Office of Environmental Policy and Compliance**  
**(404) 331-4524 - Office**  
**(404) 331-1736 - Fax**  
**- Mobile**

**[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)**

**<http://www.doi.gov/oepc/atlanta.html>**

On Sat, Sep 17, 2016 at 1:11 PM, Webster, James  
<[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Joyce

The Statement of work that F&W proposed was for resource assessment work

If fish and wildlife want to do assessments they will need to secure NRDA funding directly from NPFC as PRFAs cannot be used to fund resource natural resource impacts. An IAG is fairly simple to establish with the NPFC NRDA Division.

If there is something operation that they can provide, they can discuss with the incident Commander.

Thanks  
Jim

Sent from my iPhone

On Sep 17, 2016, at 1:03 PM, Stanley, Joyce  
<[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Hello James,

There are T & E species onsite and we want FWS to assist in the response. What is the status of the PRFA request?

Thanks for your help on this.

**Joyce A. Stanley, MPA**  
**Regional Environmental Protection Specialist**

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Stanley, Joyce  
**Sent:** Sat 9/17/2016 5:03:21 PM  
**Subject:** Colonial Pipeline Spill

Hello James,

There are T & E species onsite and we want FWS to assist in the response. What is the status of the PRFA request?

Thanks for your help on this.

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
! - Mobile*

Exemption 6 Personal Privacy

*[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)*

*<http://www.doi.gov/oepc/atlanta.html>*

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Davis, Amber  
**Sent:** Sat 9/17/2016 12:03:09 AM  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Thank you, Jim!

Sent from my iPhone

On Sep 16, 2016, at 7:56 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Amber. We don't have a cause analysis yet. Will relay I do when we have something beyond speculation.

Sent from my iPhone

On Sep 16, 2016, at 7:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, just because folks keep asking me, what caused the pipeline break?

Sent from my iPhone

On Sep 16, 2016, at 7:10 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

They are excavating pipe now but gas fumes are hampering activity. We do not have a date certain. Sometime next week.

Sent from my iPhone

On Sep 16, 2016, at 4:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, can you respond to this?

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Thompson, Christopher  
**Sent:** Friday, September 16, 2016 4:14 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff  
<[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>;  
Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary  
<[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Sorry if already asked...but do your emergency response folks have any  
inside information as to when colonial will be able to start to make repairs?

Sent from my iPhone

On Sep 16, 2016, at 2:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
wrote:

Madison,

Thank you for taking my call! I know that you are on the phone with  
Colonial now. When you're available, can you clarify whether or not  
this issue is a Region 4 one, or if it is confined to MD, VA, and DC?  
Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental  
Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA  
30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison  
**Sent:** Friday, September 16, 2016 2:50 PM  
**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber  
<[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher  
<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt  
<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony  
<[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>  
**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff

**Sent:** Friday, September 16, 2016 2:49 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person? Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeanneanne  
**Sent:** Friday, September 16, 2016 1:54 PM  
**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>  
**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeanneanne" <[Gettle.Jeanneanne@epa.gov](mailto:Gettle.Jeanneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Thanks Terry

Jeanneanne, FYI

**From:** Stilman, Terry



**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>; Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to commingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologizes.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**

**To:** Le, Madison[Le.Madison@epa.gov]  
**Cc:** Benjamin, Lynorae[benjamin.lynorae@epa.gov]; Manners, Mary[manners.mary@epa.gov]; Thompson, Christopher[Thompson.Christopher@epa.gov]; Herzog, Jeff[Herzog.Jeff@epa.gov]; Gustafson, Kurt[Gustafson.Kurt@epa.gov]; Miller, Anthony[Miller.Anthony@epa.gov]; McKenna, Chris[McKenna.Chris@epa.gov]; Webster, James[Webster.James@epa.gov]; Heard, Anne[Heard.Anne@epa.gov]; Hicks, Javoyne[Hicks.Javoyne@epa.gov]; Jones-Johnson, Shea[Jones-Johnson.Shea@epa.gov]; Jenkins, Brandi[Jenkins.Brandi@epa.gov]; Lincoln, Larry[Lincoln.Larry@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Worley, Gregg[Worley.Gregg@epa.gov]; Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]; Kemker, Carol[Kemker.Carol@epa.gov]; Fite, Mark[Fite.Mark@epa.gov]; Lapierre, Kenneth[Lapierre.Kenneth@epa.gov]; Mitchell, Ken[Mitchell.Ken@epa.gov]; Wise, Allison[Wise.Allison@epa.gov]; Delli-Gatti, Dionne[Delli-Gatti.Dionne@epa.gov]; Myers, Bryan[Myers.Bryan@epa.gov]; Benjamin@usepa.onmicrosoft.com[Benjamin@usepa.onmicrosoft.com]  
**From:** Davis, Amber  
**Sent:** Fri 9/16/2016 10:53:27 PM  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Thank you, Madison! This is great news. And I appreciate you keeping everyone informed!

Amber

Sent from my iPhone

On Sep 16, 2016, at 6:40 PM, Le, Madison <Le.Madison@epa.gov> wrote:

Amber,

Thanks. We were able add KY at the last minute.

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 6:16 PM

**To:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Cc:** Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; McKenna, Chris <[McKenna.Chris@epa.gov](mailto:McKenna.Chris@epa.gov)>; Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>; Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Lapierre, Kenneth <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>; Mitchell, Ken <[Mitchell.Ken@epa.gov](mailto:Mitchell.Ken@epa.gov)>; Wise, Allison <[Wise.Allison@epa.gov](mailto:Wise.Allison@epa.gov)>; Delli-Gatti, Dionne <[Delli-Gatti.Dionne@epa.gov](mailto:Delli-Gatti.Dionne@epa.gov)>; Myers, Bryan <[Myers.Bryan@epa.gov](mailto:Myers.Bryan@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Madison,

I just got a verbal concurrence on the comingling waiver request from Aaron Keatley in KY. Please do not hesitate to let me know if you need anything else.

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 5:47 PM

**To:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Cc:** Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; McKenna, Chris <[McKenna.Chris@epa.gov](mailto:McKenna.Chris@epa.gov)>; Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>; Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Lapierre, Kenneth <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

The following R4 states have given verbal concurrence. This is the list of who Lynorae Benjamin and I spoke with:

- MS—Dallas Baker
- AL—Ron Gore
- TN—Lucian Geise, Ben Bolton, Quincy Styke III, and Jason Carney
- GA—Karen Hays
- SC—Rhonda Thompson (She would like a copy of the waiver when it is ready. [thompsrb@dhec.sc.gov](mailto:thompsrb@dhec.sc.gov).)
- NC—Steve Benjamin (He would like a copy of the waiver when it is ready. [steve.benjamin@ncagr.gov](mailto:steve.benjamin@ncagr.gov).)

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison  
**Sent:** Friday, September 16, 2016 4:18 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber,

As discussed, below are the R4 states that would be included in a comingling waiver. If you can reach out to these states and provide us with their “verbal” concurrence that would help us tremendously. Also, I’ve provided you some background on what this means to help you brief up.

- Mississippi MS
- Alabama AL
- Tennessee TN
- Kentucky KY
- Georgia GA
- South Carolina SC
- North Carolina NC

Commingling Provision:

This waiver request originates with Colonial pipeline for a waiver of the prohibition for comingling RFG and CG along the entire system. Colonial is pushing CG over to Plantation for distribution, but is constrained by Plantation not having RFG markets and the RBOB in the system. Waiving prohibition would allow them to lift more in the area of origin and move fuel to Plantation. The comingling provisions are at 40 C.F.R. § 80.78(a)(7) that prohibit any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met.

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 3:15 PM

**To:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>;  
Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt  
<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Madison,

Thank you for taking my call! I know that you are on the phone with Colonial now. When you're available, can you clarify whether or not this issue is a Region 4 one, or if it is confined to MD, VA, and DC? Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison  
**Sent:** Friday, September 16, 2016 2:50 PM  
**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>;  
Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt  
<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>  
**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,  
Director, Fuels Compliance Policy Center (FCPC)  
Office of Transportation & Air Quality  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave, N.W.  
Washington, D.C. 20460  
Direct: 202-564-5754  
Cell: 202-507-3062  
Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff  
**Sent:** Friday, September 16, 2016 2:49 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher



<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person? Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeaneanne  
**Sent:** Friday, September 16, 2016 1:54 PM  
**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>  
**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry

**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;  
Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; forest.a.willis@uscg.mil[forest.a.willis@uscg.mil]  
**From:** Sams, Michael K CIV  
**Sent:** Fri 9/16/2016 9:30:35 PM  
**Subject:** RE: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill

Hi Jim,

Thank you for the invite to listen-in. I would've called-in but I was in flight returning from RRT-7 mtg. Pls let me know if you want/need anything from me. I'll gladly receive any incident updates that are developed; greatly facilitates with situational awareness on these "large volume" discharges.

Thanks again for being a great neighbor; greatly appreciated!

V/r,

Mike Sams  
504-671-2234 (o)  
)  
Michael.K.Sams@uscg.mil

-----Original Appointment-----

**From:** Webster.James@epa.gov [mailto:Webster.James@epa.gov] **On Behalf Of** Andrew, Gary  
**Sent:** Friday, September 16, 2016 12:42 PM  
**To:** Sams, Michael K CIV  
**Subject:** [Non-DoD Source] FW: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**When:** Friday, September 16, 2016 1:00 PM-2:00 PM (UTC-06:00) Central Time (US & Canada).  
**Where:** 1-866-299-3188; 4045628758#  
**Importance:** High

Mike

Don't know if you were copied on this, but you are certainly welcome to call in. Sorry for short notice. This is just a situational update for those interested.

Ji,m

-----Original Appointment-----

**From:** Andrew, Gary  
**Sent:** Friday, September 16, 2016 9:26 AM  
**To:** Andrew, Gary; forest.a.willis@uscg.mil; Webster, James; Joyce\_St Stanley@ios.doi.gov; GSpringer@adem.state.al.us; Berry, Chuck; Loughran, Lori A LCDR; Eichinger, Kevin  
**Cc:** lindy\_nelson@ios.doi.gov; Gwen Keenan; Stilman, Terry; Harper, Greg; Moore, Tony; Springer, Grady; Sachtleben, Glen  
**Subject:** New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**When:** Friday, September 16, 2016 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** 1-866-299-3188; 4045628758#  
**Importance:** High

Time Adjusted to Meet Field Schedule

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: EPA OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Call-in #: :

Conference #:

(b) (6)

**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Mon 9/12/2016 12:11:11 PM  
**Subject:** ERNS REPORT FOR 0800 09/09/2016 TO 0800 09/12/2016

**ERNS REPORT FOR 0800 09/07/2016 TO 0800 09/08/2016**

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Situation Reports (SITREPS) #1 and #2 were previously delivered to the ERNS mailing list. SITREPS will continue to be delivered to the ERNS mailing list by 1800 EDT daily. See <https://www.epaosc.org/pelhamgasolinespill> for the current SITREPS and for additional information.

**NRC#1158670, Holladay Diesel Spill, Holladay, Benton County, Tennessee**

On September 10, 2016 at 2056, hours, Tennessee Department of Environmental Control (TDEC) requested EPA assistance with an over the road truck accident on Interstate 40 at Exit 133 in Holladay, Tennessee. 280 gallons of diesel fuel was spilled as a result of the accident. The Potentially Responsible Party (PRP) did not have the resources to conduct the cleanup and was unable to contact their insurance. TDEC requested EPA to respond and to conduct the cleanup so the roadway could be reopened. OSC Spurlin and Emergency and Rapid Removal Services (ERRS) contractors were deployed. The oil was removed from the road surface and contaminated soil was excavated. **Contact OSC Steve Spurlin or see <https://www.epaosc.org/holladaydieselspill> for more information.**

**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA assistance with an unknown mystery diesel oil spill in Birmingham, Alabama. The spill was contained but threatens Village Creek (a tributary of Bay View Lake and Black Warrior River). An unknown amount of diesel has spilled at this time; however, initial estimates are at least 1000 gallons spilled. On-Scene Coordinator (OSC) Englert, OSC Jardine and Superfund Technical Assessment Response Team Contractors were deployed. **Update** A pressure test confirmed a fuel line connected to a 12,000 gallon AST is leaking. Contractors working for the Potential Responsible Party (PRP) prepared an Operations and Maintenance (O&M) plan for EPA and ADEM review. Residual diesel was observed downstream of the trucking company so nearby storm drains were flushed. A storm drain immediately south of the PRP's facility is being used as a collection point. OSC Englert demobilized Friday evening. **Contact OSC Brian Englert or see <https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

**State Oil HazRadOther**

AL	4	1	0	0
FL	9	2	0	2
GA	2	1	0	0
KY	2	0	0	0
MS	0	0	0	0
NC	2	0	0	2
SC	1	0	0	0
TN	2	0	0	0
Total	22	4	0	4 = 30

-

**Response Personnel Status**

Duty Officer:	OSC Kevin Eichinger	-
R1:	OSC Brian Englert	Out
R2:	OSC Charles Berry	Out
Jackson, TN:	OSC Steve Spurlin	Responding
Louisville, KY:	OSC Art Smith	Available
Mobile, AL:	OSC Leo Francendese	Unavailable
Raleigh, NC:	OSC Ken Rhame	Unavailable
Tallahassee, FL:	OSC Chris Russell	Available

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**



Sent from my iPhone

On Sep 11, 2016, at 4:35 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thanks Kevin  
Franklin/Don/Randall  
Do you have what u need for not I g staff?

Sent from my iPhone

On Sep 11, 2016, at 4:14 PM, Eichinger, Kevin  
<[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

✓ **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County,  
Alabama**

SITREP #2 will be sent out at 1800 hours this evening.

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**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay  
County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA

**To:** Rigger, Don[Rigger.Don@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]  
**From:** Moore, Tony  
**Sent:** Mon 9/12/2016 1:28:09 AM  
**Subject:** Re: Sunday ERNS Report

Don, I just forwarded to you. You may have also gotten it from Kevin. Check your clutter.

Sent from my iPhone

On Sep 11, 2016, at 9:23 PM, Rigger, Don <Rigger.Don@epa.gov> wrote:

Jim - that next Sit Rep will be what I need for staff meeting. Thx

Sent from my iPhone

On Sep 11, 2016, at 4:58 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

10-4

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 11, 2016, at 16:57, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

There's a UC meeting in 2 minutes. I'll finish sit rep right after.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 11, 2016, at 15:36, Webster, James <Webster.James@epa.gov> wrote:

For morning staff that is. Auto correct is a killer

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**From:** Webster, James  
**Sent:** Sun 9/11/2016 10:05:30 PM  
**Subject:** Re: Sunday ERNS Report

That's ok.

Sent from my iPhone

On Sep 11, 2016, at 6:04 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

The UC meeting is running late. The SITREP will be delayed by 30 minutes.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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**Cc:** Webster, James[Webster.James@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Rigger, Don[Rigger.Don@epa.gov]; Moore, Tony[moore.tony@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sun 9/11/2016 8:57:59 PM  
**Subject:** Re: Sunday ERNS Report

10-4

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)

**To:** Pinkney, James[Pinkney.James@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** York, David W.  
**Sent:** Sun 9/11/2016 5:10:48 PM  
**Subject:** RE: Colonial Spill Update #3

I'm sorry. I will resend.

David York  
Senior Project Manager, PMP  
Colonial Pipeline Company  
Office: 678-762-2568

~~Cell: 7~~  
dyork@colpipe.com

HCT

Exemption 6 Personal Privacy

-----Original Message-----

From: Pinkney, James [mailto:Pinkney.James@epa.gov]  
Sent: Sunday, September 11, 2016 1:08 PM  
To: York, David W.  
Cc: Berry, Chuck  
Subject: Re: Colonial Spill Update #3

David,

I haven't received the latest update for review.

James

Sent from my iPhone

> On Sep 10, 2016, at 6:35 PM, York, David W. <DYork@colpipe.com> wrote:

>

> Thank you for the review. We will issue another update tomorrow morning. I will send to you for review.

>

> David York

> Senior Project Manager, PMP

> Colonial Pipeline Company

> Office: 678-762-2568

> Cell: .

> dyork@colpipe.com

>

> -----Original Message-----

> From: Pinkney, James [mailto:Pinkney.James@epa.gov]

> Sent: Saturday, September 10, 2016 7:34 PM

> To: York, David W.

> Cc: Berry, Chuck

> Subject: Re: Colonial Spill Update #3

>

> David,

>

> Looks good.

>

> James

>

> Sent from my iPhone

>

>> On Sep 10, 2016, at 6:07 PM, York, David W. <DYork@colpipe.com> wrote:

>>

>> James; attached is the update we are proposing to post within the next hour. Please review and let me know if you have any concerns.

>>

>> David York

>> Senior Project Manager, PMP

>> Colonial Pipeline Company

>> Office: 678-762-2568

R >> ~~Cell:~~

>> dyork@colpipe.com

>> <CR91 Event - Update #3.docx>

>

Exemption to Personal Privacy

**To:** York, David W.[DYork@colpipe.com]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Pinkney, James  
**Sent:** Sun 9/11/2016 5:08:27 PM  
**Subject:** Re: Colonial Spill Update #3

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James

Sent from my iPhone

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>

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> David York

> Senior Project Manager, PMP

> Colonial Pipeline Company

> Office: 678-762-2568

> Cell:

> dyork@colpipe.com

>

> -----Original Message-----

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> Sent: Saturday, September 10, 2016 7:34 PM

> To: York, David W.

> Cc: Berry, Chuck

> Subject: Re: Colonial Spill Update #3

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> Sent from my iPhone

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>> David York

>> Senior Project Manager, PMP

>> Colonial Pipeline Company

>> Office: 678-762-2568

>> Cell:

>> dyork@colpipe.com

>> <CR91 Event - Update #3.docx>

>

Exemption 6 Personal Privacy

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Springer, Grady  
**Sent:** Sun 9/11/2016 12:49:38 AM  
**Subject:** Re: SITREP #1 - Pelham Pipeline Release

Well Chuck, when I talked to you last Saturday, I missed it by a week.

Sent from my iPhone

On Sep 10, 2016, at 7:33 PM, Rogers, Paul <PR1@adem.alabama.gov> wrote:

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** 9/10/16 5:47 PM (GMT-06:00)  
**To:**  
**Cc:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Subject:** SITREP #1 - Pelham Pipeline Release

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

### **SITUATION REPORT #1**

1800, September 10, 2016

-

-

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted from the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The

appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

- Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- The initial volume reported was based solely on visual estimates of first responders'

impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data. Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.

- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.

- Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.

- EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

-

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC

- Monitor removal activities

- Monitor safety air monitoring

- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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<image001.gif>

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Webster, James[Webster.James@epa.gov]  
**From:** Lincoln, Larry  
**Sent:** Sat 9/10/2016 4:34:01 PM  
**Subject:** Re: NRC#1158628

I'm looped in with Chuck and will provide support as needed.

Sent from my iPhone

On Sep 10, 2016, at 11:59 AM, Moore, Tony <moore.tony@epa.gov> wrote:

I spoke with Anita, she will have a CIC contact you directly.

Sent from my iPhone

On Sep 10, 2016, at 12:35 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Updated NRC report for the Pelham Pipeline Spill. The NRC called me and asked if we were classifying this as an incident of national significance that requires NRT activation. I said no, not at this time.

Chuck and Gary, I'll leave it up to you if you want to do an RRT call. I have already reached out to DOI. GST is responding to assist.

Kevin.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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office: **404-562-8268** | cell: **678-897-3759** | **epaosc.org**

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>

**From:** "HQS-PF-flidr-NRC@uscg.mil" <HQS-PF-flidr-NRC@uscg.mil>

**Date:** September 10, 2016 at 00:27:09 EDT  
**To:** R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158628

#### INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

#### REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

#### INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)

Also Known As:

Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT #  
1158584 \*\*\*

\* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0  
(UNKNOWN AMOUNT)

TO 1,000 BARRELS.

\* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION  
PIPELINE.

\* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN  
SOURCE WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A  
SHEEN ON A

POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION

DOT Regulated: YES

Pipeline Above/Below Ground: BELOW

Exposed or Under Water: NO

Pipeline Covered: UNKNOWN

---SHEEN INFORMATION---

Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

### IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:  
FATALITIES: NO Empl/Crew: Passenger: Occupant:  
EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N		Major
Road:		Artery: N
N		
Waterway:		
N		
Track:		

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

---

### REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

### WEATHER

---

### ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene: EPA

State Agency Number:

---

### NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

10-SEP-16 00:26 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

10-SEP-16 00:26 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
10-SEP-16 00:26 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
10-SEP-16 00:26 (770)4887100  
DHS NOC (NOC)  
10-SEP-16 00:26 (202)2828114  
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)  
10-SEP-16 00:26 (703)2355724  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
10-SEP-16 00:26 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
10-SEP-16 00:26 (404)6504955  
GULF STRIKE TEAM (MAIN OFFICE)  
10-SEP-16 00:26 (251)4416601  
JFO-LA (COMMAND CENTER)  
10-SEP-16 00:26 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
10-SEP-16 00:26 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
10-SEP-16 00:26 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
10-SEP-16 00:26 (202)2671136  
NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
(202)2672100  
NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY  
(AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE  
BRANCH SE REGION)  
10-SEP-16 00:26 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
10-SEP-16 00:26 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:30:41 PM  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

## **Special ERNS Report #2: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of



pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Eoc, Epahq[Eoc.Epahq@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 3:35:57 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

More Intel came in. It is roughly 100K released. I will put out an updated special erns shortly.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 10, 2016, at 11:34, Moore, Tony <moore.tony@epa.gov> wrote:

Thanks Kevin, still working the CIC

Sent from my iPhone

On Sep 10, 2016, at 12:43 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Colonial just updated the volumes spilled (see NRC 1158584). The new volume spilled in 42000 gallons. I have mobilized, at the OSCs request, the Gulf Strike Team to assist. We will meet/talk in the morning to discuss the need/plans for an RRT call.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 9, 2016, at 19:38, Eoc, Epahq <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)> wrote:

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

<pastedImage.png>

**EOC Spot Report: Region 4, Colonial Pipeline Spill  
into Pond Near Peel Creek, Pelham, AL (NRC #  
1158584)**

**US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from

entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Eoc, Epahq[Eoc.Epahq@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/10/2016 3:34:57 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

Thanks Kevin, still working the CIC

Sent from my iPhone

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Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

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<pastedImage.png>

## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)**

### **US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

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**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

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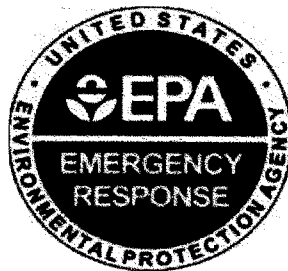
Steve Ridenour, Senior Watch Officer  
U.S. Environmental Protection Agency  
Headquarters Emergency Operations Center  
1200 Pennsylvania Ave  
Washington, DC 20004  
202-564-3850  
<mailto:eoc.epahq@epa.gov>



**From:** Eoc, Epahq  
**Sent:** Fri 9/9/2016 11:38:33 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

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## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)**

**US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

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**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Fri 9/9/2016 6:49:59 PM  
**Subject:** FW: NRC#1158584  
Pelham Pipeline Release 09092016.pdf

ADEM, Shelby County, Plantation and Colonial are responding. They will call me back with the command post location. Attached is the map. The spill is in the Peel Creek which goes to the Cahaba River. I have contact and notified DOI. It is located in protected wetlands/forests. Joyce is checking on who they belong too. Private well would be on the only drinking water concerns, but the area is sparsely populated. I added an incident to the ER Dashboard at the GPS coordinates.

Shelby County EMA Contact - 205-913-4024  
ADEM - Tim Wynn, 205-438-1080  
Colonial - Drew - 678-372-2063

-----Original Message-----

From: HQS-PF-flidr-NRC@uscg.mil [mailto:HQS-PF-flidr-NRC@uscg.mil]  
Sent: Friday, September 09, 2016 2:08 PM  
To: R4DutyOSC <R4DutyOSC@epa.gov>  
Subject: NRC#1158584

NATIONAL RESPONSE CENTER 1-800-424-8802  
\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*  
Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158584

#### INCIDENT DESCRIPTION

\*Report taken by: YN2 RUDY GANTHER at 13:59 on 09-SEP-16  
Incident Type: FIXED  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER POND

---

#### REPORTING PARTY

Name: BROCK MOBLEY  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: bmobley@colpipe.com

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: BROCK MOBLEY  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

SEE LAT/LONG County: SHELBY  
COUNTY 91

City: PELHAM State: AL

Latitude: 33° 14' 32" N

Longitude: 086° 55' 06" W

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT

---

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND  
AT A LOCATION NEAR WELL SITES. THE GASOLINE CRATED A SHEEN ON A POND  
IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

ON SCENE POINT OF CONTACT- JOHN WYATT, 404-713-9270

---

INCIDENT DETAILS

Package: N/A

Building ID:

Type of Fixed Object: OTHER

Power Generating Facility: NO

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		

Air:

N

Major

Road:

Artery: N

N

Waterway:

N  
Track:

Environmental Impact: NO  
Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

INVESTIGATION UNDERWAY.  
Release Secured: UNKNOWN  
Release Rate:  
Estimated Release Duration:

---

WEATHER

Weather: CLEAR, °F

---

ADDITIONAL AGENCIES NOTIFIED

Federal:  
State/Local:  
State/Local On Scene:  
State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
09-SEP-16 14:07 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
09-SEP-16 14:07 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
09-SEP-16 14:07 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
09-SEP-16 14:07 (770)4887100  
DHS NOC (NOC)  
09-SEP-16 14:07 (202)2828114  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
09-SEP-16 14:07 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
09-SEP-16 14:07 (404)6504955  
JFO-LA (COMMAND CENTER)  
09-SEP-16 14:07 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
09-SEP-16 14:07 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
09-SEP-16 14:07 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
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NTSB PIPELINE (MAIN OFFICE)  
09-SEP-16 14:07 (202)3146293  
DOI FOR REGION 4 (MAIN OFFICE)  
09-SEP-16 14:07 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
09-SEP-16 14:07  
ALABAMA EMA (MAIN OFFICE)  
09-SEP-16 14:07 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)

09-SEP-16 14:07 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
09-SEP-16 14:07 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
09-SEP-16 14:07 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158584 \*\*\*  
Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 2:54:39 PM  
**Subject:** Re: New SITREP Format

I'm eating pancakes at IHOP right now. Slept til 9.

Glorious.

On Sep 17, 2016, at 09:43, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Yeah, agree. We will be far more detailed on restoration of service. I will add the waiver update to the restoration of service. Go to home, get more sleep. Play with the baby...

Kevin

**From:** Berry, Chuck  
**Sent:** Saturday, September 17, 2016 10:41 AM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Subject:** Re: New SITREP Format

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry

EPA OSC

404.859.0970



On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Johnson, Dora Ann[Johnson.Dora@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Corey CB. Brown[cbrown@bashaservices.com]; Garrard, Jordan[Garrard.Jordan@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Wed 9/14/2016 5:31:12 PM  
**Subject:** Re: Delivery of Mule 6 passanger (2 Bench)

Dora Ann:

Do we need your approval on these requests? I thought Greg was added to the contract. A "you only" status will impede efficient mobilization of much needed resources.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 14, 2016, at 11:56, Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)> wrote:

Please assist Greg and Jordan in this request. Let me know if OT or lodging is required also due to the timing of the request.

Thank you,

**Dora Ann Johnson**

Team Lead / Project Officer

US EPA, Region IV

SD/RSIB/RMS

Phone: 404-562-8737

Cell: 404-754-6339

Email: [Johnson.dora@epa.gov](mailto:Johnson.dora@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 12:09 PM  
**To:** Corey CB. Brown <[cbrown@bashaservices.com](mailto:cbrown@bashaservices.com)>  
**Cc:** Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)>; Garrard, Jordan  
<[Garrard.Jordan@epa.gov](mailto:Garrard.Jordan@epa.gov)>; Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrad (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

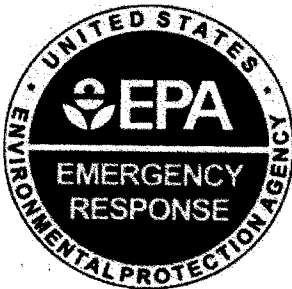
Office (404) 562-8322

**To:** chucklberry@gmail.com[chucklberry@gmail.com]  
**From:** Berry, Chuck  
**Sent:** Sun 9/11/2016 4:23:40 PM  
**Subject:** Fwd: SITREP #1 - Pelham Pipeline Release

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 10, 2016 at 17:47:22 CDT  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** SITREP #1 - Pelham Pipeline Release



## **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

### **SITUATION REPORT #1**

1800, September 10, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National

Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted from the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

- [ ] Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- [ ] Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- [ ] The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data.

Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.

- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.

- Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.

- EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

-

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC

- Monitor removal activities

- Monitor safety air monitoring

- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [cpaosc.org](http://cpaosc.org)



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 6:51:13 PM  
**Subject:** Re: Colonial Pipeline Spill

Talked to Kevin.

He's "handling" it. You should talk to him directly for clarification. I think tony has a 2pm call with him.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 14:40, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Well let's talk. I am home.

Sent from my iPhone

On Sep 17, 2016, at 2:39 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

I removed Joyce from this thread.

I also just spoke with Miguel.

We ALL need to talk.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 13:50, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Joyce

I just spoke to NPFC NRDA Division. Pre-assessment work is allowed under a PRFA. Post assessment work is not. The IC will be working with F&W to tighten up the statement of work and pre-assessment budget estimate

Jim

Sent from my iPhone

On Sep 17, 2016, at 1:27 PM, Stanley, Joyce <[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Okay

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
- Mobile*

Exemption 6 Personal Privacy

**joyce\_stanley@ios.doi.gov**  
**http://www.doi.gov/oepc/atlanta.html**

On Sat, Sep 17, 2016 at 1:25 PM, Webster, James <Webster.James@epa.gov> wrote:

If they need any help with NPFC, ease let us know.

Sent from my iPhone

On Sep 17, 2016, at 1:13 PM, Stanley, Joyce <joyce\_stanley@ios.doi.gov> wrote:

Thanks James for this explanation. It really clears up things.

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
- Mobile*

**joyce\_stanley@ios.doi.gov**  
**http://www.doi.gov/oepc/atlanta.html**

On Sat, Sep 17, 2016 at 1:11 PM, Webster, James  
<Webster.James@epa.gov> wrote:

Joyce  
The Statement of work that F&W proposed was for resource assessment  
work

If fish and wildlife want to do assessments they will need to secure  
NRDA funding directly from NPFC as PRFAs cannot be used to fund  
resource natural resource impacts An IAG is fairly simple to establish

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*Re: [redacted]*

with the NPFC NRDA Division

If there is something operation that they can provide, they can discuss with the incident Commander

Thanks  
Jim

Sent from my iPhone

On Sep 17, 2016, at 1:03 PM, Stanley, Joyce  
<[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Hello James,

There are T & E species onsite and we want FWS to assist in the response. What is the status of the PRFA request?

Thanks for your help on this.

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
X(404) 331-1736 - Fax  
----- - Mobile*

Exemption 6 Personal Privacy

*[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)*

*<http://www.doi.gov/oepc/atlanta.html>*

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 3:02:18 PM  
**Subject:** Re: New SITREP Format

I'm glad you at least understood what I was saying.

On Sep 17, 2016, at 09:46, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

No dates, only current ops plans. There are two concurrent operations in play to restore service. We will report more detail info on those two plans.

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 10:44 AM  
**To:** Berry, Chuck <Berry.Chuck@epa.gov>  
**Cc:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: New SITREP Format

Don't put that in writing unless it's achievable. Sitreps are public. Restoration has been the big question. Let's talk.

Sent from my iPhone

On Sep 17, 2016, at 10:41 AM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry

EPA OSC

404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 2:43:20 PM  
**Subject:** Re: New SITREP Format

You should also update EPAOSC front page. That information is dated as well.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

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office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 2:41:05 PM  
**Subject:** Re: New SITREP Format

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

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Kevin

---

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<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 2:12:28 PM  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

Include Kevin.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill  
Roll Call: Gary Andrew  
Welcome: James Webster  
Site Briefing: EPA OSC Chuck Berry  
Discussion: James Webster  
Summary: Gary Andrew  
Closing Comments: Co-Chairs, ADEM, DOI

Call-in #:  
Conference #:  
<meeting.ics>

(b) (6)



Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)



**To:** Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 2:11:59 PM  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

Between 1230 and 1430 central fits between everything else. I can push back but not forward.

Thanks man.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:40, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

What do you have in mind?

Gary A

-----Original Message-----

From: Berry, Chuck  
Sent: Friday, September 16, 2016 9:35 AM  
To: Andrew, Gary <Andrew.Gary@epa.gov>  
Cc: forest.a.willis@uscg.mil; Webster, James <Webster.James@epa.gov>; Joyce\_Stanley@ios.doi.gov; GSpringer@adem.state.al.us; lindy\_nelson@ios.doi.gov; Gwen Keenan <gwen.keenan@fema.dhs.gov>; Stilman, Terry <Stilman.Terry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
Subject: Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

I'll be in the field until noon my time at the earliest. It's too loud out there to conduct this call. Can we find sometime later?

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill Roll Call: Gary Andrew  
Welcome: James Webster  
Site Briefing: EPA OSC Chuck Berry  
Discussion: James Webster  
Summary: Gary Andrew  
Closing Comments: Co-Chairs, ADEM, DOI

Call-in #: .  
Conference #:  
<meeting.ics>

(b) (6)



**Cc:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil]; Webster, James[Webster.James@epa.gov]; Joyce\_Stanley@ios.doi.gov[Joyce\_Stanley@ios.doi.gov]; GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]; lindy\_nelson@ios.doi.gov[lindy\_nelson@ios.doi.gov]; Gwen Keenan[gwen.keenan@fema.dhs.gov]; Stilman, Terry[Stilman.Terry@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**To:** Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 1:35:14 PM  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

I'll be in the field until noon my time at the earliest. It's too loud out there to conduct this call. Can we find sometime later?

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill  
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Welcome: James Webster  
Site Briefing: EPA OSC Chuck Berry  
Discussion: James Webster  
Summary: Gary Andrew  
Closing Comments: Co-Chairs, ADEM, DOI

(b) (6)

Call-in #  
Conference #:  
<meeting.ics>

**To:** Arnold, Terri[tarnold@colpipe.com]  
**Cc:** timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 11:00:04 AM  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

Apologies. I wasn't aware we we're this close to implementation.

Move forward with this plan. Tim has been replaced by josh from ADEM.

On Sep 16, 2016, at 00:19, Arnold, Terri <tarnold@colpipe.com> wrote:

Chuck,

The 204 was in today's IAP. We only need to get State approval if you approve and I was prepared to call Timothy Wynn. All work is shut down and the crews are prepared to dig once approved.

Thank you,

Darren Pruitt

Deputy Incident Commander

336-339-1280

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:**

Exemption 6 Personal Privacy

**Fax: 770-819-3567**

**From:** Berry, Chuck [<mailto:Berry.Chuck@epa.gov>]  
**Sent:** Friday, September 16, 2016 12:12 AM  
**To:** Arnold, Terri <[tarnold@colpipe.com](mailto:tarnold@colpipe.com)>  
**Cc:** [timothy.wynn@adem.state.al.us](mailto:timothy.wynn@adem.state.al.us); Beck, Gerald A. <[GBeck@colpipe.com](mailto:GBeck@colpipe.com)>; Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Pruitt, Darren J <[DPruitt@colpipe.com](mailto:DPruitt@colpipe.com)>; Kolar, Angela <[AKolar@colpipe.com](mailto:AKolar@colpipe.com)>  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

Terri:

Please prepare the 204s for this activity. We can discuss any final edits during UC meeting. There's a 99.9% chance excavation will occur. Kevin needs to look this over, and the day shift people need to rest now.

It looks to me as if everything was addressed. I see no need to stop progress on 204s or ops preparations. Any changes will be minor.

Chuck Berry

EPA OSC

404.859.0970

On Sep 15, 2016, at 23:46, Arnold, Terri <[tarnold@colpipe.com](mailto:tarnold@colpipe.com)> wrote:

For your approval please find attached the revised LEL Suppression plan with the requested additional clarification of terms and definitions.

Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:** Exemption 6 Personal Privacy

**Fax: 770-819-3567**

<LEL Suppression Plan\_Revised Final.docx>

<REVISED\_LEL Suppression Plan\_COVER PAGE.docx>

<MSDS F500.pdf>

**To:** Arnold, Terri[tarnold@colpipe.com]  
**Cc:** timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
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Deputy Incident Commander

336-339-1280

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:**

**Exemption 6 Personal Privacy**

**Fax: 770-819-3567**

**From:** Berry, Chuck [<mailto:Berry.Chuck@epa.gov>]  
**Sent:** Friday, September 16, 2016 12:12 AM  
**To:** Arnold, Terri <[tarnold@colpipe.com](mailto:tarnold@colpipe.com)>  
**Cc:** [timothy.wynn@adem.state.al.us](mailto:timothy.wynn@adem.state.al.us); Beck, Gerald A. <[GBeck@colpipe.com](mailto:GBeck@colpipe.com)>; Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Pruitt, Darren J <[DPruitt@colpipe.com](mailto:DPruitt@colpipe.com)>; Kolar, Angela <[AKolar@colpipe.com](mailto:AKolar@colpipe.com)>  
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Chuck Berry

EPA OSC

404.859.0970

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Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell: Exemption 6 Personal Privacy**

**Fax: 770-819-3567**

<LEL Suppression Plan\_Revised Final.docx>

<REVISED\_LEL Suppression Plan\_COVER PAGE.docx>

<MSDS F500.pdf>



**To:** Arnold, Terri[tarnold@colpipe.com]  
**Cc:** timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 5:11:42 AM  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

Terri:

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Chuck Berry  
EPA OSC  
404.859.0970

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Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:**

Exemption 6 Personal Privacy

**Fax: 770-819-3567**

<LEL Suppression Plan\_Revised Final.docx>

<REVISED\_LEL Suppression Plan\_COVER PAGE.docx>

<MSDS F500.pdf>

**To:** Webster, James[Webster.James@epa.gov];  
Joyce\_St Stanley@ios.doi.gov[Joyce\_St Stanley@ios.doi.gov];  
GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]  
**From:** Berry, Chuck  
**Sent:** Thur 9/15/2016 10:53:12 PM  
**Subject:** 40 CFR 300.910 (d) Notification

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

**To:** Stilman, Terry[Stilman.Terry@epa.gov]; Brian Croft[Brian.Croft@tetrattech.com]  
**From:** Berry, Chuck  
**Sent:** Thur 9/15/2016 12:43:08 PM  
**Subject:** Fwd: Draft Sampling Plan

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Titus, Jeff" <jtitus@colpipe.com>  
**To:** "Berry, Chuck" <Berry.Chuck@epa.gov>  
**Cc:** "Wyatt, John M." <JMWyatt@colpipe.com>  
**Subject:** Fwd: Draft Sampling Plan

Chuck.

Attached please find the draft surface water and sediment sampling and analysis plan

We will work with your representatives today to finalize this for you UC/IC approval

thank you  
Jeff Titus

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 10:27:38 PM  
**Subject:** sitrep  
Pelham Pipeline Spill SITREP 4 09132016.docx

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #3**

1800, September 12, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard mobilized to the site to overlap with OSC Williamson tomorrow. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial has installed both stopples. One is currently set and the other is tapping through the pipeline to emplace the plug. Once installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are also providing roving and escort services for personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm, although LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recover scrubber has been mobilized in to scrub vapors. An decon pad for trucks has been constructed to decon fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel have been separated and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined the estimated discharge volume to be 235,919 gallons. Of that, 115,700 gallons is estimated to have evaporated. Another 101,291 is estimated to remain in the pond. These numbers are highly estimated and will likely change significantly over time.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond outfall. However, no oil sheening is visible along the shoreline with Pond 2. Colonial continues to monitor the pond and will notify UC if any petroleum is noted. Significant rainfall may be received depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST is incorporated into Operations and air monitoring. Two GST members observed operations overnight. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 2:03:02 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Already do for a host of other reasons.

Maybe not "resent". More like "despise". But it's all the same. Hate. Hate. Hate.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:59, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

And the other OSC that are there are making OT while you don't. You will soon begin to resent them.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 20:56, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

I don't want to change site name from Spill. I like spill. I just used release on the strep. It should have been spill all along. Or at best discharge.

But spill is good. I like spill.

Until I stop getting overtime, at which point, spill sucks.

14 fucking hours today.

R1.

Been here 5 days already.

Seems.....wrong.



Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:21, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Your site, call it Discharge. For that matter, call it Chuck's Leaky Pipe. Just make sure we update Cincinnati and the Fund Center.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | [61 Forsyth St SW](#) | [Atlanta, Georgia](#) | [30303](#)

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office: [404-562-8268](tel:404-562-8268) | cell: [678-897-3759](tel:678-897-3759) | [epaosc.org](http://epaosc.org)

On Sep 12, 2016, at 20:18, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

I hate inconsistency.

I agree spill is neutral. But ncp is specific. It may depend on whose definitions you use.

It's "release" on sit rep. That was my error when I wrote it.

On Sep 12, 2016, at 20:05, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Release is no good for oil. It's listed as a spill in the sitrep, which is ok. The subject line of the email is incorrect. Sorry I was not looking at the subject line.

Seriously though, the official site name with the NPFC and in our financial system is Pelham Pipeline Spill, which is proper terminology. If you want Discharge, which is also proper terminology, then you'll need Greg to contact the Fund Center and Cincinnati to change it.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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On Sep 12, 2016, at 19:59, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Look at OPA 90 and look at the NPFC. The NPFC doesn't fund and oil discharge. They fund an oil spill. Spill and discharge are good for oil.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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On Sep 12, 2016, at 19:57, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Uh-uh. Looking at ncp now. Discharge is CWA. Release is CERCLA. Not contaminant specific but authorizing law specific. You can discharge and release a has substance into water. You can only discharge oil.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:41, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Both spill and discharge are ok for oil. Cercla is a release. The site name from the start has been Pelham pipeline spill. You are good.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 19:40, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Damn. Just noticed it should be Pelham pipeline "discharge"

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:32, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and

Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is

roughly half of yesterdays, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing “frac” tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

## PLANNED RESPONSE ACTIVITIES

- ☐ Continue to participate in UC

- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 2:01:20 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Yeah. I do miss your capabilities and writing skills.

But alas, I'm stuck with Greg.

At least he's not Carter. Not saying much, but at least it's something.

FYI Carter can't write a field report but can whip a site into shape. not a joke either. He me and coasties beat up on Colonial last night. Today was like a brand new operation.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:23, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Just saying, if I was still the SITL, there would have been no inconsistencies.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

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office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 20:21, Harper, Greg <Harper.Greg@epa.gov> wrote:

Kevin and Chuck it was consistent with the titles on the email and sitrep #2 ;)

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4



Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Berry, Chuck

**Sent:** Monday, September 12, 2016 9:19 PM

**To:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

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EPA OSC

404.859.0970

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EPA OSC

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#### **PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

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[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 1:56:51 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

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Been here 5 days already.

Seems.....wrong.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:21, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Your site, call it Discharge. For that matter, call it Chuck's Leaky Pipe. Just make sure we update Cincinnati and the Fund Center.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 20:18, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

I hate inconsistency.

I agree spill is neutral. But ncp is specific. It may depend on whose definitions you use.



It's "release" on sit rep. That was my error when I wrote it.

On Sep 12, 2016, at 20:05, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Release is no good for oil. It's listed as a spill in the sitrep, which is ok. The subject line of the email is incorrect. Sorry I was not looking at the subject line.

Seriously though, the official site name with the NPFC and in our financial system is Pelham Pipeline Spill, which is proper terminology. If you want Discharge, which is also proper terminology, then you'll need Greg to contact the Fund Center and Cincinnati to change it.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: [404-562-8268](tel:404-562-8268) | cell: [678-897-3759](tel:678-897-3759) | [epaosc.org](http://epaosc.org)

On Sep 12, 2016, at 19:59, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Look at OPA 90 and look at the NPFC. The NPFC doesn't fund and oil discharge. They fund an oil spill. Spill and discharge are good for oil.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: [404-562-8268](tel:404-562-8268) | cell: [678-897-3759](tel:678-897-3759) | [epaosc.org](http://epaosc.org)

On Sep 12, 2016, at 19:57, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Uh-uh. Looking at ncp now. Discharge is CWA. Release is CERCLA. Not contaminant specific but authorizing law specific. You can discharge and release a has substance into water. You can only discharge oil.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:41, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Both spill and discharge are ok for oil. Cercla is a release. The site name from the start has been Pelham pipeline spill. You are good.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | [61 Forsyth St SW | Atlanta, Georgia | 30303](#)**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: [404-562-8268](tel:404-562-8268) | cell: [678-897-3759](tel:678-897-3759) | [epaosc.org](http://epaosc.org)

On Sep 12, 2016, at 19:40, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Damn. Just noticed it should be Pelham pipeline "discharge"

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:32, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

## **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterdays, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan.

There were several revisions needed in the Waste Management Plan.  
Approval is expected tomorrow.

**PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 12:57:32 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Uh-uh. Looking at ncp now. Discharge is CWA. Release is CERCLA. Not contaminant specific but authorizing law specific. You can discharge and release a has substance into water. You can only discharge oil.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:41, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Both spill and discharge are ok for oil. Cercla is a release. The site name from the start has been Pelham pipeline spill. You are good.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

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office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 19:40, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Damn. Just noticed it should be Pelham pipeline "discharge"

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:32, Harper, Greg <Harper.Greg@epa.gov> wrote:

<image002.jpg>

# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from



the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterdays, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Mon 9/12/2016 11:34:12 PM  
**Subject:** Re: sitrep

Tony, I won't lie: I just spaced. I was writing the 311 order until I saw it was 5:30 my time.

1800 is still achievable if I stay focused.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 18:30, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Do we need to adjust the time based on either you being in the central time zone or more importantly your side meetings

Sent from my iPhone

On Sep 12, 2016, at 7:16 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Greg - Please edit for higher-ups.

Tony - Here's a sneak peek in case someone is asking about it.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.docx>

**To:** Moore, Tony[moore.tony@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Mon 9/12/2016 11:16:07 PM  
**Subject:** sitrep  
Pelham Pipeline Spill SITREP 3 09122016.docx

Greg - Please edit for higher-ups.

Tony - Here's a sneak peek in case someone is asking about it.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #3**

1800, September 12, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial has installed 1 of the stopples and is currently installing the second. Once installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the line will be followed by nitrogen purging to remove all fuel from the line.

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Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial opened up a new pumping area on the north end of the pond where vapor levels were lower. Vac trucks continue to pump from this location. Colonial is currently planning on placing frac tanks in a new location to the north to cut down on transit time for those trucks to dump and return to pumping from the pond.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond outfall. However, no oil sheening is visible along the shoreline with Pond 2. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and 2 GST members observed operations overnight. Colonial increased its Safety Personnel and air monitoring staffing based on comments from EPA field personnel. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry reviewed several plans developed by the Planning Section, including Impacted Wildlife Management and Waste Management. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

## **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**Cc:** Webster, James[Webster.James@epa.gov]  
**To:** Rigger, Don[Rigger.Don@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Mon 9/12/2016 1:25:07 AM  
**Subject:** Fwd: SITREP #2 - Pelham Pipeline Release  
[image003.jpg](#)  
[ATT00001.htm](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[ATT00002.htm](#)

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** SITREP #2 - Pelham Pipeline Release



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sun 9/11/2016 10:44:16 PM  
**Subject:** sitrep and figure  
Pelham Pipeline Spill SITREP 2 09112016 Draft.docx  
Situation MAP - CR91Event0911 0850.pdf

this is Webster-level detail. It probably needs some massaging before it gets to Franklin or HQ. Also, not sure if you want to put pdf in as an OLE or just a separate attachment.

edit thoroughly. You're one of the few I trust to not write like an illiterate buffoon.

Thanks,

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 9:48:32 PM  
**Subject:** Re: SITREP 1  
Pelham Pipeline Spill SITREP 1 draft 09102016.docx

please edit for clarity and syntax.

thanks again

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Eichinger, Kevin  
**Sent:** Saturday, September 10, 2016 17:02  
**To:** Berry, Chuck; Williamson, Carter; Englert, Brian  
**Subject:** SITREP 1

Attached is a draft SITREP. I need some more info. Would like to get to Tony and Webster to review by 1730 EST for an 1800 EST distribution. Willing to take dictation over the phone.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: **404-562-8268** | cell: **678-897-3759** | [epaosc.org](http://epaosc.org)

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 9:47:56 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

roger that. understood.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Moore, Tony  
**Sent:** Saturday, September 10, 2016 17:19  
**To:** Berry, Chuck  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

No it's about a possible RRT issue:an in situ burn of any residual gas in the soil and the possible need for 311 order

Sent from my iPhone

On Sep 10, 2016, at 5:16 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

updating sitrep. can it wait? or is it about the sitrep?

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Moore, Tony

**Sent:** Saturday, September 10, 2016 17:08

**To:** Berry, Chuck

**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

When you find time call me I want to discuss two things with you

Sent from my iPhone

On Sep 10, 2016, at 4:43 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>

**Date:** September 10, 2016 at 12:30:41 PM EDT

**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>

**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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**Special ERNS Report #2: Region 4, NRC  
1158584, Pelham Pipeline Spill, Pelham,**

# Shelby County, Alabama

US Environmental Protection Agency

Report as of September 10, 2016 1230 EDT

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement

Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## ATL 2016 TORNADO EXERCISE

### SITUATION REPORT

1130 March 8, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Previous reports of fire-fighting foam use were erroneous; there is insufficient access to allow fire equipment to the pond. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a very remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to the OSC.

#### **INCIDENT MANAGEMENT**



On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

- Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted lake was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update last on 9/9 based on better information from the field. However, this was still unsupported by hard data. Only after a rather risky operation performed first thing this morning to physically measure the thickness of the product on the pond was an estimate possible. Initial thickness estimates of several feet were inaccurate also; the total thickness on the pond is estimated to be 3.25 inches.
- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.
- Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vac truck to safely operate the equipment.
- EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to

the small amounts of rain expected, based on NWS predictions.

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 9:09:39 PM  
**Subject:** Re: SITREP 1

You're pretty awesome on PD. Editing it now.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 16:02, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Attached is a draft SITREP. I need some more info. Would like to get to Tony and Webster to review by 1730 EST for an 1800 EST distribution. Willing to take dictation over the phone.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

<Pelham\_Pipeline\_Spill\_SITREP\_1\_draft\_09102016.docx>

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 8:43:37 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 10, 2016 at 12:30:41 PM EDT  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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**Special ERNS Report #2: Region 4, NRC 1158584,  
Pelham Pipeline Spill, Pelham, Shelby County,  
Alabama**

**US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Eoc, Epahq[Eoc.Epahq@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 3:39:32 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

And they just updated again.

100,000 gal

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 10:34, Moore, Tony <moore.tony@epa.gov> wrote:

Thanks Kevin, still working the CIC

Sent from my iPhone

On Sep 10, 2016, at 12:43 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Colonial just updated the volumes spilled (see NRC 1158584). The new volume spilled in 42000 gallons. I have mobilized, at the OSCs request, the Gulf Strike Team to assist. We will meet/talk in the morning to discuss the need/plans for an RRT call.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 9, 2016, at 19:38, Eoc, Epahq <Eoc.Epahq@epa.gov> wrote:

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

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<pastedImage.png>

## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)**

### **US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire



department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

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Steve Ridenour, Senior Watch Officer  
U.S. Environmental Protection Agency  
Headquarters Emergency Operations Center  
1200 Pennsylvania Ave  
Washington, DC 20004  
202-564-3850  
<mailto:eoc.epahq@epa.gov>

**To:**  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 12:32:53 PM  
**Subject:** Fwd: NRC#1158584

Exemption 6 Personal Privacy

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 9, 2016 at 17:36:25 CDT  
**To:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** FW: FW: NRC#1158584

**From:** Stanley, Joyce [[mailto:joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)]  
**Sent:** Friday, September 09, 2016 3:31 PM  
**To:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** Re: FW: NRC#1158584

Kevin,

A list of aquatic T&E's in the Cahaba River could include: cylindrical lioplax, flat pebblesnail, round rocksnail, fine-lined pocketbook, southern clubshell, triangular kidneyshell, goldline darter, and Cahaba shiner.

**Joyce A. Stanley, MPA**

**Regional Environmental Protection Specialist**

**US Department of the Interior**

**Office of Environmental Policy and Compliance**

**(404) 331-4524 - Office**

**(404) 331-1736 - Fax**

**· Mobile**

Exemption 6 Personal Privacy

**joyce\_stanley@ios.doi.gov**

**<http://www.doi.gov/oepc/atlanta.html>**

On Fri, Sep 9, 2016 at 3:26 PM, Stanley, Joyce <[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Hello Kevin,

The coordinates are adjacent to Peel Creek, a tributary of the Cahaba River (less than a mile away). Do we have information on the volume of the spill and if the spill is continuing? We would be very concerned if it escapes into the Peel Creek and into the Cahaba River. We have multiple aquatic T&E's in the Cahaba River. Please let me know when you find out more information.

Thanks,

**Joyce A. Stanley, MPA**

**Regional Environmental Protection Specialist**

**US Department of the Interior**

**Office of Environmental Policy and Compliance**

**(404) 331-4524 - Office**

**(404) 331-1736 - Fax**

**Mobile**

**Exemption 6 Personal Privacy**

**joyce\_stanley@ios.doi.gov**

**<http://www.doi.gov/oepc/atlanta.html>**

On Fri, Sep 9, 2016 at 2:40 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Per our phone conversation. The GPS coordinates are 33.24222, -86.91833.

Thanks,  
Kevin

-----Original Message-----

From: [HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil) [mailto:[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)]

Sent: Friday, September 09, 2016 2:08 PM

To: R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>

Subject: NRC#1158584

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158584

#### INCIDENT DESCRIPTION

\*Report taken by: YN2 RUDY GANTHER at 13:59 on 09-SEP-16

Incident Type: FIXED

Incident Cause: UNKNOWN

Affected Area: POND

Incident was discovered on 09-SEP-16 at 11:31 local incident time.

Affected Medium: WATER POND

---

#### REPORTING PARTY

Name: BROCK MOBLEY

Organization: COLONIAL PIPELINE COMPANY

Address: 1185 SANCTUARY PARKWAY

ALPHARETTA, GA 30004

Email Address: [bmobley@colpipe.com](mailto:bmobley@colpipe.com)

PRIMARY Phone: (678)7622263

Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: BROCK MOBLEY

Organization: COLONIAL PIPELINE COMPANY

Address: 1185 SANCTUARY PARKWAY

ALPHARETTA, GA 30004

PRIMARY Phone: (678)7622263

---

#### INCIDENT LOCATION

SEE LAT/LONG County: SHELBY

COUNTY 91  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN  
AMOUNT

---

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE  
WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CRATED A SHEEN  
ON A POND

IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

ON SCENE POINT OF CONTACT- JOHN WYATT, 404-713-9270

---

INCIDENT DETAILS

Package: N/A

Building ID:

Type of Fixed Object: OTHER

Power Generating Facility: NO

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:  
FATALITIES: NO Empl/Crew: Passenger: Occupant:  
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N		Major
Road:		Artery:N
N		
Waterway:		
N		
Track:		

Environmental Impact: NO

Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

INVESTIGATION UNDERWAY.

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

---

#### WEATHER

Weather: CLEAR, °F

---

#### ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene:

State Agency Number:

---

#### NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

09-SEP-16 14:07 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

09-SEP-16 14:07 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
09-SEP-16 14:07 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
09-SEP-16 14:07 (770)4887100  
DHS NOC (NOC)  
09-SEP-16 14:07 (202)2828114  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
09-SEP-16 14:07 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
09-SEP-16 14:07 (404)6504955  
JFO-LA (COMMAND CENTER)  
09-SEP-16 14:07 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
09-SEP-16 14:07 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
09-SEP-16 14:07 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
09-SEP-16 14:07 (202)2671136  
NTSB PIPELINE (MAIN OFFICE)  
09-SEP-16 14:07 (202)3146293  
DOI FOR REGION 4 (MAIN OFFICE)  
09-SEP-16 14:07 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
09-SEP-16 14:07  
ALABAMA EMA (MAIN OFFICE)  
09-SEP-16 14:07 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE  
BRANCH SE REGION)  
09-SEP-16 14:07 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
09-SEP-16 14:07 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
09-SEP-16 14:07 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158584 \*\*\*  
Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 4:40:40 AM  
**Subject:** Re: NRC#1158628

Yes it does. But lack of interstate effect will make it short.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 9, 2016, at 23:37, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Let's talk first thing in the morning. This new volume does warrant a RRT call.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | [61 Forsyth St SW](#) | [Atlanta, Georgia](#) | [30303](#)

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: [404-562-8268](tel:404-562-8268) | cell: [678-897-3759](tel:678-897-3759) | [epaosc.org](http://epaosc.org)

On Sep 10, 2016, at 00:35, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

The new ic told me this as I was leaving the ic. Based on measurements of gas in the pond.

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**Resent-From:** <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>  
**From:** "[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)" <[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)>  
**Date:** September 9, 2016 at 23:27:09 CDT  
**To:** R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws



Incident Report # 1158628

INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

\* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0 (UNKNOWN AMOUNT)  
TO 1,000 BARRELS.  
\* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION PIPELINE.  
\* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN ON A POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION

DOT Regulated: YES

Pipeline Above/Below Ground: BELOW

Exposed or Under Water: NO

Pipeline Covered: UNKNOWN

---SHEEN INFORMATION---

Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

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IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

Hours Direction of  
Closure Type Description of Closure Closed Closure

Air: N  
Road: N Major Artery:N  
Waterway: N  
Track: N

Environmental Impact: UNKNOWN  
Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.  
\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.  
Release Secured: YES  
Release Rate:  
Estimated Release Duration:

---

#### WEATHER

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#### ADDITIONAL AGENCIES NOTIFIED

Federal:  
State/Local:  
State/Local On Scene: EPA  
State Agency Number:

---

#### NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
10-SEP-16 00:26 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
10-SEP-16 00:26 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
10-SEP-16 00:26 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
10-SEP-16 00:26 (770)4887100  
DHS NOC (NOC)  
10-SEP-16 00:26 (202)2828114  
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)  
10-SEP-16 00:26 (703)2355724  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
10-SEP-16 00:26 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955

U.S. EPA IV (DUTY OSC)  
10-SEP-16 00:26 (404)6504955  
GULF STRIKE TEAM (MAIN OFFICE)  
10-SEP-16 00:26 (251)4416601  
JFO-LA (COMMAND CENTER)  
10-SEP-16 00:26 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
10-SEP-16 00:26 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
10-SEP-16 00:26 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
10-SEP-16 00:26 (202)2671136  
NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
(202)2672100  
NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE  
REGION)  
10-SEP-16 00:26 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
10-SEP-16 00:26 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 4:35:32 AM  
**Subject:** Fwd: NRC#1158628

The new ic told me this as I was leaving the ic. Based on measurements of gas in the pond.

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>  
**From:** "HQS-PF-flidr-NRC@uscg.mil" <HQS-PF-flidr-NRC@uscg.mil>  
**Date:** September 9, 2016 at 23:27:09 CDT  
**To:** R4DutyOSC <R4DutyOSC@epa.gov>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802  
\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*  
Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158628

#### INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

#### REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: N/A

Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

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TO 1,000 BARRELS.
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FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN ON A  
POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION  
DOT Regulated: YES  
Pipeline Above/Below Ground: BELOW  
Exposed or Under Water: NO  
Pipeline Covered: UNKNOWN  
---SHEEN INFORMATION---  
Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

#### IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure

N

Air:

N

Major

Road:

Artery:N

N

Waterway:

N

Track:

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

#### WEATHER

---

#### ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:  
State/Local On Scene: EPA  
State Agency Number:

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ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
10-SEP-16 00:26 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
10-SEP-16 00:26 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
10-SEP-16 00:26 (770)4887100  
DHS NOC (NOC)  
10-SEP-16 00:26 (202)2828114  
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)  
10-SEP-16 00:26 (703)2355724  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
10-SEP-16 00:26 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
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GULF STRIKE TEAM (MAIN OFFICE)  
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NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
(202)2672100  
NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE



REGION)

10-SEP-16 00:26 (904)9804075

USCG DISTRICT 8 (MAIN OFFICE)

10-SEP-16 00:26 (504)5896225

USCG DISTRICT 8 (PLANNING)

10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Lincoln, Larry[Lincoln.Larry@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 4:34:31 AM  
**Subject:** Re: Special ERNS Report, Pelham Pipeline Spill

Just on the off chance that anyone gets this tonight, please don't call. I'm packing in for the night. No urgency.

I'll be in an ops briefing at 0700-0800 tomorrow. I'm free after that.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 9, 2016, at 23:17, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Larry et al,

Local news is interested in this response. Can you please give Chuck a call at 404-859-0970.

Thanks,

Kevin

**From:** Eichinger, Kevin  
**Sent:** Friday, September 09, 2016 7:03 PM  
**Cc:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Eoc, Epahq <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Subject:** Special ERNS Report, Pelham Pipeline Spill

UNCLASSIFIED//FOR OFFICIAL USE ONLY

# **Special ERNS Report: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 9, 2016 1900 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline is estimating that between 1000 and 2000 gallons of gasoline has entered the pond.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**Media Interest: None.**

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sun 9/18/2016 12:44:41 AM  
**Subject:** REISSUED - SITREP #8 - Pelham Pipeline Spill with Attachments  
Pelham Pipeline Spill SITREP 8 09172016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #8**

1800 CDT, September 17, 2016

-  
-  
-

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8,000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger assumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

Current number START Personnel: 3

Total number of response Personnel: 739

-

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6,000 bbl to 8,000 bbls

## Recovery/Loss to the Environment Volumes:

Fuel/Waste Recovery	Volume Since Last SITREP	Total Volume to Date
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

## CURRENT OPERATIONS

### 1) Product Recovery and Removal

- A 6-inch pipe was observed to discharging water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.
- CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.
- CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.
- Elevated benzene and lower explosive limit (LEL) continue to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.
- Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. When excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily use drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, recovering product from recovery point 2a. Excavation activities and

elevated LEL and benzene levels limited product recover efforts today.

- [ ] Inclement weather caused activities to shut down for a period of time.
- [ ] Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

- [ ] Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.
- [ ] Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

- [ ] Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area.
- [ ] Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

- [ ] The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able collect it. No additional impacted wildlife was reported during this operation period.

## **3) Health and Safety Oversight**

- [ ] EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.



- [REDACTED] Two GST members continue to observe night operations.
- [REDACTED] The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

#### **4) Restoration of Services**

- [REDACTED] CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be completed Monday morning.
- [REDACTED] CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

#### **5) Remediation Planning**

- [REDACTED] Plans continue to be developed and will be reviewed by IC when ready.
- [REDACTED] The City of Helena operates the closest drinking water well. It is located approximately five miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

#### **6) Emergency Fuel Waiver**

- [REDACTED] CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7) ] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016, EPA issued an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia. If there is any change or addition to the waiver status it will be noted in the SITREP.

## **PLANNED RESPONSE ACTIVITIES**

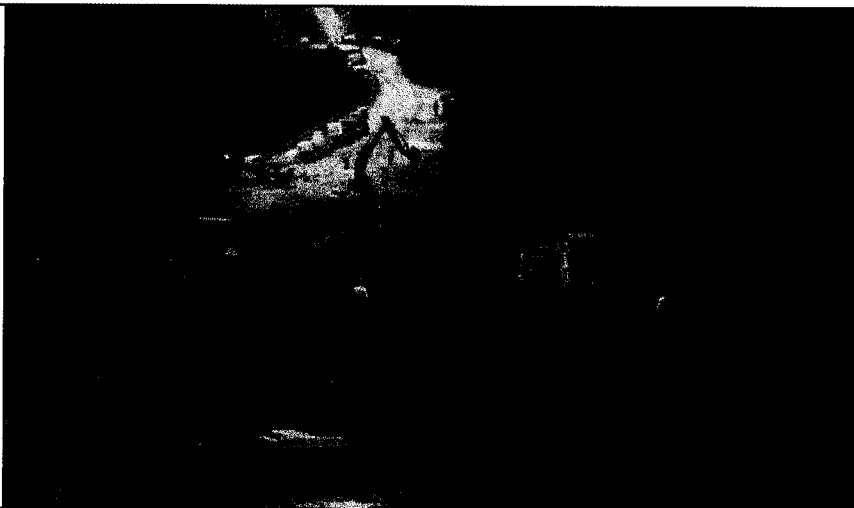
Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

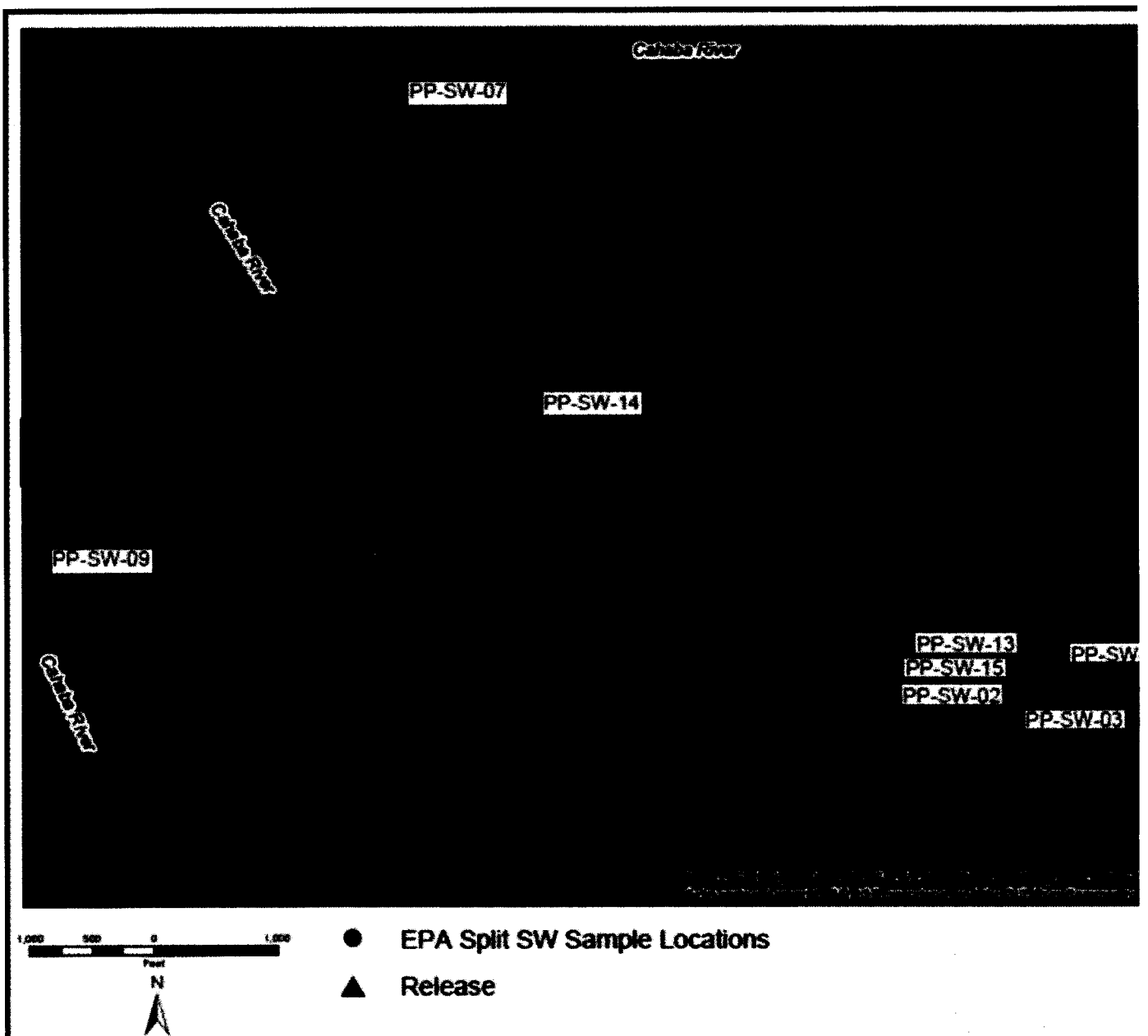
- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper
- ☐ ☐ ☐ ☐ ☐ ☐ START will continue to monitor CPC's air monitoring efforts
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ ☐ CPC will pre-stage oil containment booms on the Cahaba River
- ☐ ☐ ☐ ☐ ☐ ☐ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ☐ ☐ ☐ ☐ ☐ ☐ Pre-stage aeration equipment along Peel Creek.
- ☐ ☐ ☐ ☐ ☐ ☐ Complete pipeline bypass and restore service.
- ☐ ☐ ☐ ☐ ☐ ☐ Continue recovery of fuel from Pond 2
- ☐ ☐ ☐ ☐ ☐ ☐ Continue removal of fuel from the plugged pipeline

## **SITUATIONAL REFERENCE MATERIAL**

<p>Excavation activities at leak site. The Pelham Fire Department can be seen in the background dispersing F 500 over the excavation area.</p> <p>In the foreground, crews</p>	
--	--

are excavating around  
the pipeline in order to  
install one end of the  
bypass.





of EPA Surface Water Sampling Locations

**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sun 9/18/2016 12:13:34 AM  
**Subject:** SITREP #8 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 8 09172016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #8**

1800 CDT, September 17, 2016

-  
-  
-

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Total number of response Personnel: 739

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Recovery/Loss to the Environment Volumes:

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Bond in the Soil	TBD	TBD
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## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

• A 6-inch pipe was observed to discharging water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

• CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

• CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

• Elevated benzene and lower explosive limit (LEL) continue to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

• Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. When excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily use drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

- Inclement weather caused activities to shut down for a period of time.
- Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## 2) Environmental Sampling and Impacts

### a. Air Monitoring

- Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.
- Two START members continue to conduct oversight of air monitoring activities.

### b. Surface Water

- Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area.
- Preliminary EPA water sample data should be received tonight.

### c. Wildlife Impacts

- The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able collect it. No additional impacted wildlife was reported during this operation period.

## 3) Health and Safety Oversight

- EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.
- Two GST members continue to observe night operations.



- The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

#### **4) Restoration of Services**

- CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7)] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.
- CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be completed Monday morning.
- CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

#### **5) Remediation Planning**

- Plans continue to be developed and will be reviewed by IC when ready.
- The City of Helena operates the closest drinking water well. It is located approximately five miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

- Continue to participate in UC

- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper
- ☐ ☐ ☐ ☐ ☐ ☐ START will continue to monitor CPC's air monitoring efforts
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ ☐ CPC will pre-stage oil containment booms on the Cahaba River
- ☐ ☐ ☐ ☐ ☐ ☐ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ☐ ☐ ☐ ☐ ☐ ☐ Pre-stage aeration equipment along Peel Creek.
- ☐ ☐ ☐ ☐ ☐ ☐ Complete pipeline bypass and restore service.
- ☐ ☐ ☐ ☐ ☐ ☐ Continue recovery of fuel from Pond 2
- ☐ ☐ ☐ ☐ ☐ ☐ Continue removal of fuel from the plugged pipeline

**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Stilman, Terry  
**Sent:** Fri 9/16/2016 7:25:34 PM  
**Subject:** FW: Colonial Pipeline Spill Tables of ecological screening values  
Tables 1 - Ecological Surface Water Screening Tables 9 19 16.xlsx  
Table 2 Ecological Sediment Screening Table 9 16 16.xlsx  
Summary May 2016.xls

**From:** Adams, Glenn  
**Sent:** Friday, September 16, 2016 3:20 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Cc:** Thoms, Sharon <Thoms.Sharon@epa.gov>; Thomas, Brett <Thomas.Brett@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>; Collins, Arthur <Collins.Arthur@epa.gov>  
**Subject:** FW: Colonial Pipeline Spill Tables of ecological screening values

Terry,

Here is a list of the contaminants that we think would be important to look for in surface water and/or sediments. They are included in these eco (surface water and sediment) screening level table. We don't have eco values for all of these, but my folks are trying to fill in the missing parts. I have also attached the latest version of the RSL table. Eco risk will probably be your "driver" but you can look at the "Tap Water" or soil values in the RSL table for a guide to help you determine potential detection limits. If you collect any data and it exceeds these screening levels, then we can help you look at appropriate action levels for what you are finding (e.g., specifically for fish or swimmers, etc)

As I told you on the phone, I'm in Denver from Sunday thru Friday and won't be of much help to you, but feel free to call if needed. Tim Frederick will be acting for me while I'm out of the office. Below is the contact information for Tim, Brett and Sharon.

I hope this is helpful, but let us know if you have any questions or issues.

Thanks,

Glenn

Tim Frederick, HH Risk 2-8598 (desk) 470-728-7420 (cell)

Brett Thomas, Eco Risk 2-8751 (desk) 404-326-2715 (cell)

Sharon Thoms, Eco Risk 2-8666 (desk) 404-414-3550 (cell)

Glenn Adams, Chief

Scientific Support Section

EPA Region 4 Superfund Division

404-562-8771 (office)

**From:** Thoms, Sharon

**Sent:** Friday, September 16, 2016 2:41 PM

**To:** Adams, Glenn <[Adams.Glenn@epa.gov](mailto:Adams.Glenn@epa.gov)>

**Subject:** Colonial Pipeline Spill Tables of ecological screening values

Glenn,

I put the names of the chemicals that are recommended for analysis in the tables, but I have not finished filling out the screening values.

Sharon

Sharon Thoms

Life Scientist

Resources & Scientific Integrity Branch

**Superfund Division**

**U.S. EPA Region 4**

**Atlanta, GA 30303**

**(404) 562-8666**

questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile: :

**Exemption 6 Personal Privacy**

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Stilman, Terry  
**Sent:** Fri 9/16/2016 5:30:54 PM  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [mailto:spcoleman@colpipe.com]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>  
**Cc:** Lohoff, Drew <dlohoff@colpipe.com>; Harris, Erin <eharris@colpipe.com>; Seagraves, Preston T <PSeagrav@colpipe.com>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional

**To:** Berry, Chuck[Berry.Chuck@epa.gov];  
timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com];  
Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
**From:** Arnold, Terri  
**Sent:** Fri 9/16/2016 4:46:02 AM  
**Subject:** Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)  
LEL Suppression Plan Revised Final.docx  
REVISED LEL Suppression Plan COVER PAGE.docx  
MSDS F500.pdf

For your approval please find attached the revised LEL Suppression plan with the requested additional clarification of terms and definitions.

Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**



**Office: 770 819-3551**

**Exemption 6 Personal Privacy**

**Cell:**

**Fax: 770-819-3567**



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov];  
Joyce\_St Stanley@ios.doi.gov[Joyce\_St Stanley@ios.doi.gov]  
**From:** Springer, Grady  
**Sent:** Fri 9/16/2016 12:58:29 AM  
**Subject:** Re: 40 CFR 300.910 (d) Notification

10-4, thanks for the notification.

Sent from my iPhone

On Sep 15, 2016, at 5:53 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Fri 9/16/2016 12:52:02 AM  
**Subject:** SITREP #6 - Pelham Pipeline spill  
Pelham Pipeline Spill SITREP 6 09152016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #6**

1800 CDT, September 15, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by a state mining inspector, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has since been updated in NRC Reports to 252,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking

water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) and EPA have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of explosive vapors and volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Consult with the Department of Interior and the State of Alabama identified threatened and endangered (T&E) species in the area of the spill. However, no T&E species have been reported impacted from the spill, although several common species have been impacted.

The appropriate members were engaged during the initial response notification process. The following members were part of the initial notification: ADEM; Department of the Interior (DOI); and United States Environmental Protection Agency (USEPA). A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman has been deployed to assist with Incident Command. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

-

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial has ceased recovering product from the line as the nitrogen displacement has reached its maximum efficacy. Colonial has developed a displacement plan to use water to displace the remainder of the fuel. Activities for this operations are estimated to be ready by Saturday. Fuel continues to leak from the break, but at a much reduced rate.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remain on site providing air monitoring services. CTEH continues monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 30 - 2,699 parts per million (ppm). The exceedances from benzene range 0.6 - 18 ppm. LEL exceedance levels range from 10% - 196%.

Colonial has managed to remove approximately 233,614 gallons of liquid from Pond 2. Of that volume 58,461 gallons of fuel has been recovered and 175,531 gallons of mixed oil/water remain in frac tanks.

Colonial performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. They are estimating 180,634 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. OSC Garrard, OPS, was on site in the morning exploring areas along Peel Creek with GST and Colonial personnel for potential placement of an additional underflow dam. Additional locations were identified, and Colonial has agreed to reserve material to construct these features. Additionally, Colonial has estimated a 10-hour construction time for this final structure. To facilitate access, Colonial is building an

access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney remains integrated with the JIC. One CIC is mobilizing to the site tomorrow. OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high-risk, therefore operations were changed to direct tanker transfer. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

The Federal Aviation Administration continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

OSC Tripp was on-site performing an observation of all operation areas with GST most of the day. The county sheriff's office was patrolling the site air space by helicopter to enforce the air restriction put in place by the FAA. During the night there was a drone being flown over the site by an unknown operator.

Two START members arrived on-scene to assist with surface water and sediment sampling operations. OSC Stilman mobilized in this morning as the Deputy IC for EPA and provided comments to the Surface water and sediment sampling plan. An additional START member is mobilizing in tonight to provide ICS support.

Recovery operations are occurring at two points 2a and 2b. Vacuum trucks from 2b are transferring recovered product to 4 frac tanks at staging 2b. There are 2 frac tanks at staging 2a where they are recovering product from recovery point 2a.

Colonial is implementing a backup plan for restoration of service by constructing a bypass around the leak. The use of this will be determined by the difficulties found during the success and timing of the water displacement plan and excavation of the break. Colonial has given a tentative restoration time of late next week.

Due to the ongoing response efforts and unknown timelines, the EPA OSC made a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring

- [illegible]

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov];  
GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]  
**From:** Joyce Stanley  
**Sent:** Thur 9/15/2016 11:43:30 PM  
**Subject:** Re: 40 CFR 300.910 (d) Notification

Thanks

Sent from my iPhone

On Sep 15, 2016, at 6:53 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Smith, Michael D. (Baton Rouge)  
**Sent:** Thur 9/15/2016 11:19:44 PM  
**Subject:** RE: Site Emergency Evacuation Plan  
Site Emergency Evacuation Plan\_CH.3.docx

Your changes incorporated and clarification added to decision process for stay-behind personnel and tasks...happy to discuss as-needed.

-Mike Smith

225-405-2514

**From:** Berry, Chuck [mailto:Berry.Chuck@epa.gov]  
**Sent:** Thursday, September 15, 2016 6:04 PM  
**To:** Smith, Michael D. (Baton Rouge) <MDsmith@colpipe.com>  
**Subject:** Re: Site Emergency Evacuation Plan

my edits are attached. please see me with any questions.

**Chuck Berry**

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Smith, Michael D. (Baton Rouge) <[MDsmith@colpipe.com](mailto:MDsmith@colpipe.com)>  
**Sent:** Thursday, September 15, 2016 18:36  
**To:** Berry, Chuck  
**Subject:** Site Emergency Evacuation Plan

Please review highlighted changes.

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Smith, Michael D. (Baton Rouge)  
**Sent:** Thur 9/15/2016 10:36:19 PM  
**Subject:** Site Emergency Evacuation Plan  
Site Emergency Evacuation Plan.docx

Please review highlighted changes.

Colonial Pipeline Company



Site Emergency Evacuation Plan

**INCIDENT:** CR91

**LOCATION:** Pelham, AL

**DATE & TIME PREPARED:** September 15, 2016 1505

Site Emergency Evacuation Plan – CR 91 Response

Prepared by:			9/15/16
Reviewed by:			

**APPROVALS:**

Colonial PSC:			
Colonial SOFR:			9/15/16
Sign Print Date			
Colonial IC:			
Sign Print Date			
FOSC:			
Sign Print Date			
SOSC:			
Sign Print Date			
LOSC:			
Sign Print Date			
LOSC:			
Sign Print Date			
LOSC:			
Sign Print Date			

## Colonial Pipeline Company



**\*Please note:** All approved plans must be filed with the appropriate Documentation Unit Leader (DOCL) to upload into WebIAP as well as disseminated to proper ICS Staff and/or included in the Situation Display.

## Colonial Pipeline Company



Potential emergency conditions that could require site evacuation:

- Fire/Explosion
- Presence of toxic or flammable vapors
- Severe weather

Site evacuations are communicated to personnel via:

- Three consecutive air horn blasts
- Radio communication
- Voice (face-to-face communication)

**Two types of evacuation may occur:**

**LEVEL 1 EVACUATION** – temporary evacuation of work areas (including Main Staging) to Muster Point A located at intersection of CR 91 and the Main Staging Area primary entrance road.

**LEVEL 2 EVACUATION** – full evacuation of work areas (including Main Staging) to Muster Point B located at the intersection of CR 91 and CR 270

The type and duration of evacuation will depend on the hazard(s) associated with the emergency and is determined by the Site Safety Officer who is responsible for ensuring evacuation level is communicated to all site personnel. As soon as possible, site evacuations must be reported to the Safety Officer located at the ICP.

Firefighters, air monitoring contractors, OSRO workers and other emergency responders may be required to remain on-site to address emergency conditions.

During an evacuation, the Site Commander will:

- Supervise the response and ensure the safety of all personnel

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

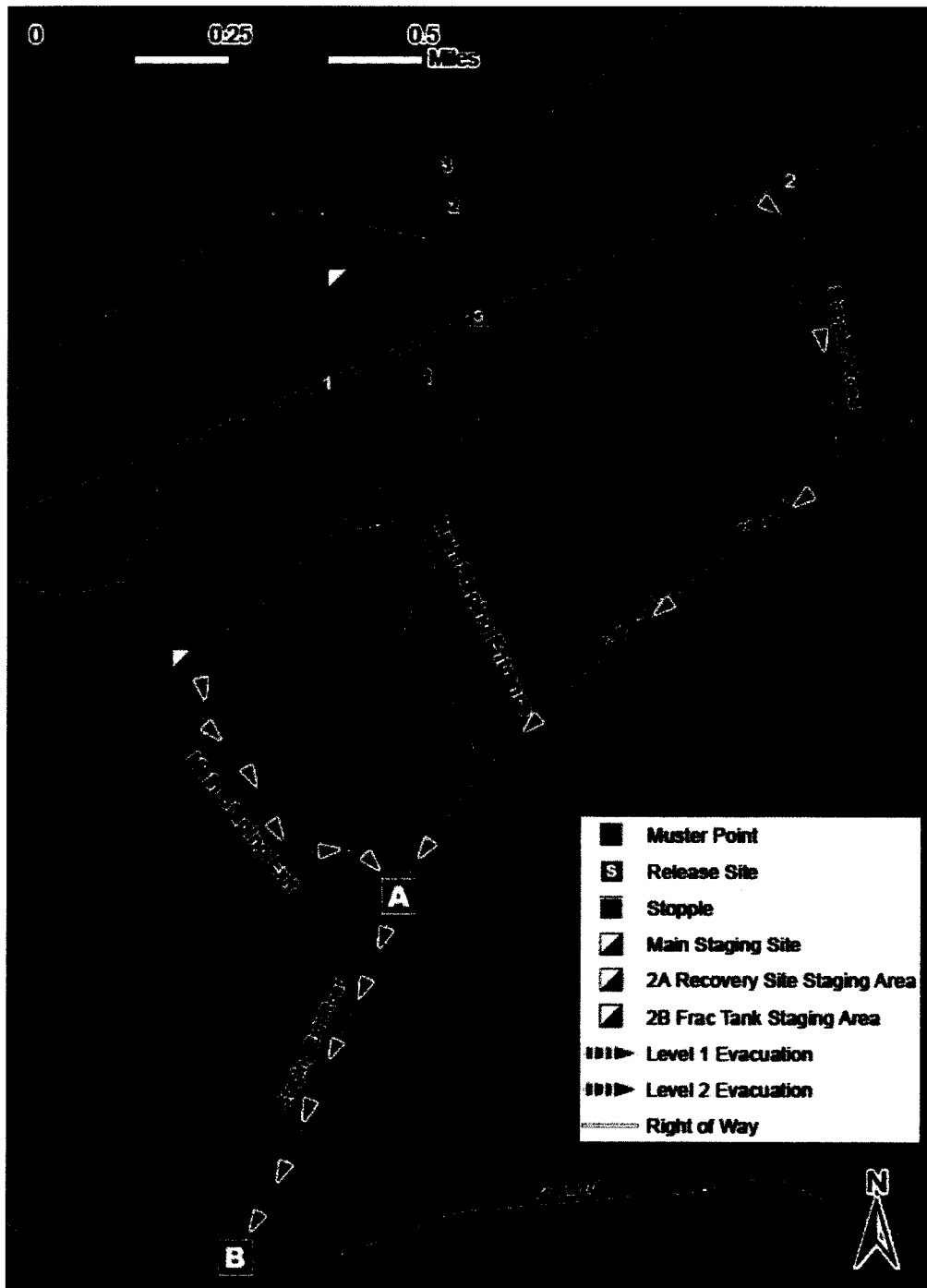
- Determine when it is safe for personnel to return to the facility
- Ensure rescue and/or medical aid is provided as-needed

**NOTE** – if evacuation is required for presence of harmful vapors (>10% LEL):

- Air monitoring contractors will inform the Site Safety Officer of the condition
- Site Safety Officer and Site Safety Specialists will ensure personnel evacuate the site on-foot
- Site Commander will ensure generators, light plants, compressors, fans and other potential ignition sources are immediately turned 'OFF'

For questions about this emergency evacuation plan, please contact the Site Safety Officer or Safety Officer

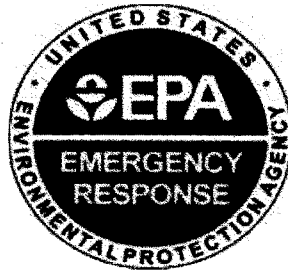
# Colonial Pipeline Company



**To:** Eoc, Epahq[Eoc.Epahq@epa.gov]  
**From:** Eoc, Epahq  
**Sent:** Thur 9/15/2016 4:59:56 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



**EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.



Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and AL.com. At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)

[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Jones, Katrina[Jones.Katrina@epa.gov]  
**Cc:** Bates, Lloyd[Bates.Lloyd@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 2:12:50 PM  
**Subject:** START Mobilization

Katrina,

We mobilized two START to the Pelham Pipeline Spill last night. Can we start with \$30K on a TDD. They are going to support sampling multimedia, analytical support, air monitoring and other routine START task.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**To:** Weeks, Victor[weeks.victor@epa.gov]  
**Cc:** Williams, James[James.Williams@HQ.DHS.GOV]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Garrard, Jordan  
**Sent:** Thur 9/15/2016 12:50:38 PM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Victor, I do not have an exact timeline on when the pipeline will be repaired and operational again. Chuck Berry might have a better idea. Colonial is currently initiating contingency plans involving the parallel pipeline to help relieve supply issues along the pipeline. I don't know what those contingency plans involve.

Jordan

Sent from my iPhone

On Sep 15, 2016, at 7:27 AM, Weeks, Victor <[weeks.victor@epa.gov](mailto:weeks.victor@epa.gov)> wrote:

Jordan:

James Williams with DHS was wondering if Colonial Pipeline has projected a date for when the pipeline will be returned to service?

Also, has Colonial Pipeline quantified any regional gasoline supply issues associated with this transmission pipeline incident?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency

Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

**Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.**

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center



- ☐☐☐☐☐☐☐ Prepare for and coordinate a transition to a removal phase
- ☐☐☐☐☐☐☐ Perform water sampling

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.pdf>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Wyatt, John M.[JMWyatt@colpipe.com]  
**From:** Titus, Jeff  
**Sent:** Thur 9/15/2016 11:22:50 AM  
**Subject:** Fwd: Draft Sampling Plan  
Draft Peel Creek Environmental Sampling and Analysis Plan Version 1.docx  
Draft Peel Creek Environmental Sampling and Analysis Plan Version 1.pdf

Chuck.

Attached please find the draft surface water and sediment sampling and analysis plan

We will work with your representatives today to finalize this for you UC/IC approval

thank you  
Jeff Titus  
>

## **CR-91 INCIDENT, PELHAM, ALABAMA SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSIS PLAN – Version 1**

### **Overview**

This document presents the initial surface water and sediment sampling and analysis plan.

EPS developed a sampling plan to collect water and sediment samples at selected locations in Ponds 1, 2, and 3; Peel Creek; and the Cahaba River. Sampling locations were targeted, based upon potentially affected areas and environmental sensitivity. Sampling locations include up-gradient background and downgradient samples.

The EPS sampling team was assembled and mobilized to the sampling locations the afternoon of September 10, 2016. Efforts will be made to initially collect water samples on a daily basis. In addition, an attempt to collect one sediment sample co-located with the water samples at each location will be conducted. Adjustments to this schedule will depend on emergency response actions, weather, sample analysis results, agency input, and site observations. This is a living sampling plan document and will evolve with further input from USEPA, USFWS, ADEM, Colonial Pipeline, EPS, Inc., and the Cahaba Riverkeeper.

Additionally, a fresh oil sample was collected from a frac tank on September 10, 2016. An attempt will be made to collect a source sample as the pipeline is drained.

### **Initial Sampling Program**

The Initial Sampling Program, with approximate locations as depicted in **Figure 1**, was comprised of a plan to obtain paired surface water and sediment samples on the first/second sampling day (including a duplicate sample). The general locations and samples are presented in the table below (note, that these may vary as discussed above).

SW_01/SD_01	Pond 1	Water and Sediment Sample
Not Assigned	Pond 2	Due to vapors, there is no access to this area. Samples will be collected once the area becomes cleared for sampling.
SW_02/SD_02 (Behind "V" dam)	Pond 3	Water Sample

SW_03/SD_03 (In Pond to left of "V" dam)		
SW_04/SD_04	Upstream of small drainage confluence from Pond 3 on Peel Creek (background)	Water and Sediment Sample
SW_05/SD_05	First downstream station of small drainage confluence from Pond 3 on Peel Creek; upstream of Boom Location 1	Water and Sediment Sample
SW_06/SD_06	Upstream on Peel Creek, farthest up-gradient Peel Creek sampling point (background)	Water and Sediment Sample
SW_07/SD_07	Upstream of Peel Creek Confluence (background) on the Cahaba River	Water and Sediment Sample
SW_08/SD_08	Second downstream station of small drainage confluence from Pond 3 on Peel Creek; downstream of Boom Location 1	Water and Sediment Sample
SW_09/SD_09	Downstream of Peel Creek Confluence on Cahaba River	Water and Sediment Sample
SD_10	Dry Creek Bed at mouth of Peel Creek, at confluence with Cahaba River	Sediment Sample
SD_11	Dry Creek Bed approximately 100 feet upgradient of SD-10	Sediment Sample
SW_12	In small drainage from Pond 3 just above (about 50 feet) the confluence with Peel Creek	Water Sample
SW_13	In Peel Creek, about 150 ft downstream from the confluence of the small drainage ditch from Pond 3	Water Sample

SW-14	In Cahaba River, just downgradient of confluence with Peel Creek.	Water Sample
FRESH PRODUCT	Recovered product from frac tank	Oil Product

### **Analytical Testing**

Surface water (SW) and sediment (SD) samples will be analyzed for BTEX and TPH-GRO. The oil product sample(s) will be analyzed for BTEX, VOC's, SVOC's, TPH-GRO, and PAH's. Initial samples will be analyzed on a "rush" basis. The analysis frequency will be modified as sampling progresses. The sampling and test methods are provided in **Attachment A**.

### **Chain of Custody for Environmental Samples**

The possession of samples must be traceable from the time of collection until they are analyzed by the analytical laboratory and the data are validated. To maintain and document sample possession, and ensure that proper analyses are performed on an individual sample, chain-of-custody (COC) procedures must be followed. During sample collection, a COC record (see below) will be initiated, and should include, at a minimum, the following information:

- |                                  |  |
|----------------------------------|--|
| 1) Project or Company Name;      | 7) Required Chem/Phys Analyses;                          |
| 2) Name of Sampler(s);           | 8) Preservatives Added to Samples;                       |
| 3) Sample Identification Number; | 9) Overnight Courier;                                    |
| 4) Date of Sample Collection;    | 10) Signatures Documenting Change of Sample Custody; and |
| 5) Time of Sample Collection;    | 11) Contact and Phone Number.                            |
| 6) Location/Station Sampled;     |  |

COC forms will accompany field samples at all times. When transferring possession of the samples, the individuals relinquishing and receiving the samples will sign, date, and note the time of transfer on the COC form. The samples will remain in the physical possession of the person assigned to the samples until they are transferred to another individual, shipped to the laboratory, or placed in locked storage. A copy of the completed COC form will be returned to the EPS Data Manager, and the original COC form should accompany the sample to the processing laboratory or the analytical laboratory. It should be sealed in a watertight Ziploc® -type bag, and taped to the underside of the lid of the shipping cooler. The shipping cooler should be taped closed (custody sealed) to prevent samples from being tampered with in any way.

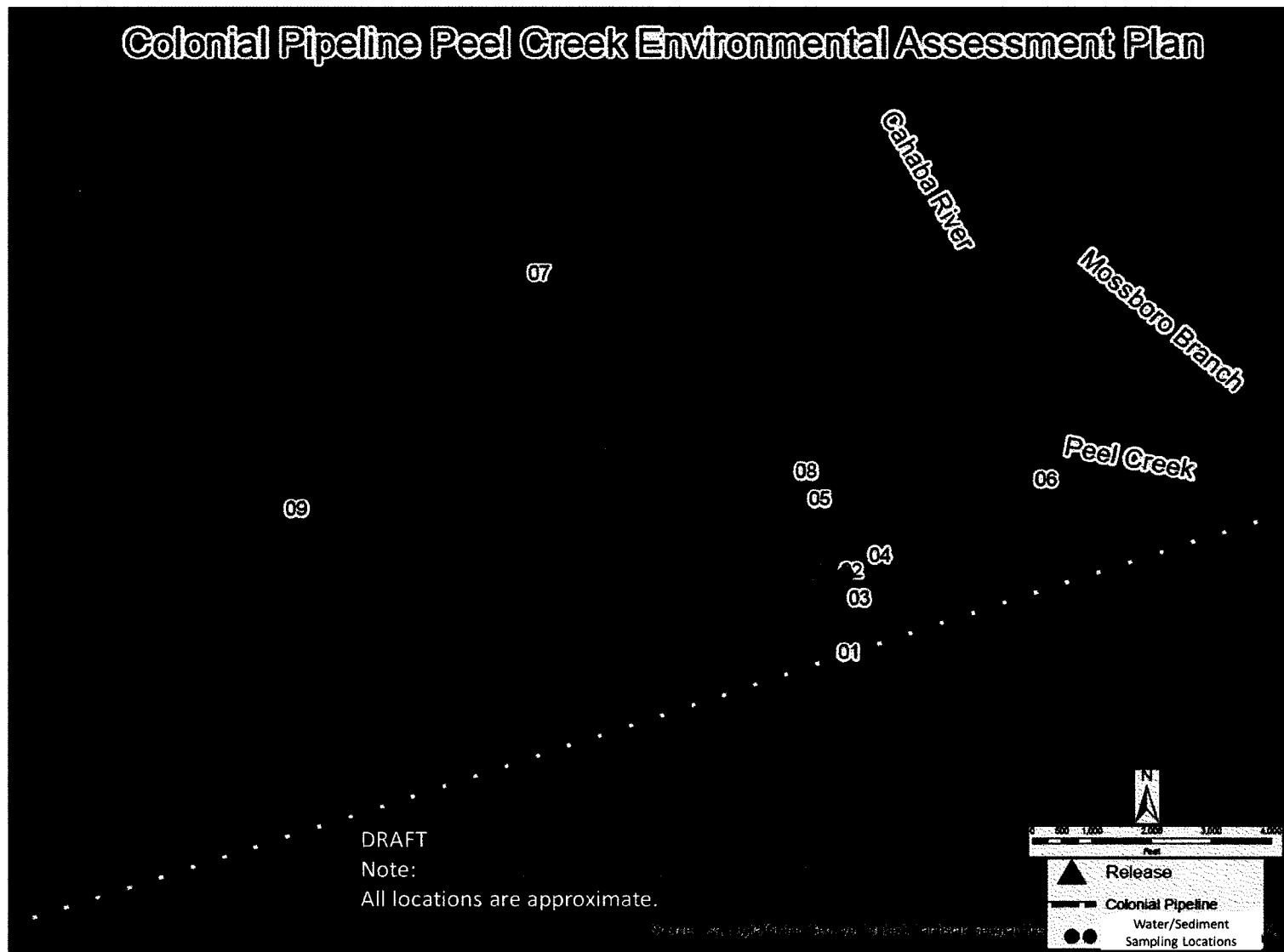
### **Schedule and Summary**

The information presented herein provides an overview of the initial information and activities associated with the environmental assessment. This information represents

initial data collection activities to determine potentially affected media, habitats, the extent of oiling, and initially affected resources. The short-term sampling and monitoring plan will be updated over the next 24 to 48 hours based upon the ongoing events related to the spill, and agency and Colonial input.

As the site cleanup progresses, we will likely transition from a daily sampling program to a less frequent (e.g., every 3 days to weekly) sampling program as dictated by Colonial and the agencies.

**Figure 1. Sampling locations in the area of concern.**



**Attachment A**  
**General Sampling and Analysis Protocols**



## GENERAL INFORMATION

There are a variety of materials (e.g., petroleum hydrocarbons, organic and inorganic chemicals, and mixtures of hazardous substances) that could be released during an oil spill. These materials could possibly affect a variety of substrates and matrices (e.g., water, soil, sediments, plant or animal tissue). There have also been numerous advances in measurement techniques for chemicals and toxicity. As a result, any list of chemical and toxicity test methods can become outdated, and methods should be discussed with Colonial experts prior to selection.

This Attachment includes protocols for sampling oil, surface water, and sediments/soils during the immediate response for Total Petroleum Hydrocarbon (TPH), Polycyclic Aromatic Hydrocarbons (PAHs), Benzene, Toluene, Ethylene, Xylene (BTEX), and for toxicity analysis.

It should be noted that, whenever possible, approved methods should be used for sampling and to conduct the various chemical and toxicity tests that may be required during an assessment. In many cases, however, modifications to the approved methods may be required (particularly when lower detection limits are required). Any modifications to standard procedures should be carefully documented in a Quality Assurance Project Plan.

It should also be noted that the specific analyses that will be conducted for a particular event can vary based on the product spilled and other factors.

## **INFORMATION ON SAMPLE COLLECTION PROCEDURES**

Wherever possible, use standard or approved methods for sampling and analyzing samples.

- Avoid cross-contamination of samples by carefully cleaning sampling equipment and/or by using disposable equipment (where appropriate). Latex gloves (or nitrile gloves if needed for personal protection) should be worn to avoid cross-contamination, and changed between each sampling location.
- Store and ship product (oil) samples in separate coolers from the environmental (water, sediment, and soil) samples to avoid possible contamination.
- Collect an appropriate volume of sample in pre-cleaned sample containers.
- Samples should be preserved, as necessary, using the appropriate preservatives (e.g., hydrochloric acid, 10% formalin, ethanol, ice, etc.).
- Document the time, location, and methods for sample collection using sample labels and field data sheets.
- Document and maintain sample custody using Chain-of-Custody forms.
- Complete sample log procedures to track which samples are to be analyzed immediately, and which samples are to be analyzed at a later date. All analyses are to be completed within the prescribed holding times for the samples and analytical techniques.
- Implement additional Quality Assurance/Quality Control (QA/QC) procedures including collection of representative samples, calibration of field instruments, use of field blanks, replicate analyses, calibrating laboratory instruments, analysis of spiked samples, analysis of standards and reference test materials.

**SAMPLING PROCEDURES FOR SOURCE OIL**

**Source oil** (also called **product** or **neat oil**) is oil which has had no contact with the environment, and should therefore be sampled directly out of the pipeline. However, it may not always be possible or practical to collect source oil. For example, a fire at the source of the pipeline leak will hinder collection of source oil. Personal protection is always of highest priority. Personal protection equipment should be worn when collecting source oil. If the necessary safety equipment is not available, collection of the source oil must be delayed until safety equipment is available.

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with USEPA Protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
- 2) Approximately 100 ml of source oil is needed for analysis. Source oil can be collected in either three (3) 40 ml VOA vials, or one (1) 4 oz. wide-mouth, Teflon-lined jar (125 ml).
- 3) Fill out sample labels with date, time, unique sample ID, analyses to be conducted, and sampler's initials.
- 4) If source oil is accessible by hand, the oil can be directly collected in the jar. Alternatively, a sterile disposable scoop may be used to collect the oil.
  - a. If source oil is not accessible by hand, a remote sampler may be used.
- 5) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 6) Place samples in a designated cooler with frozen "Blue-Ice" or ice to maintain a temperature of 4°C. **This cooler should only contain source, fresh, or weathered oil samples in order to avoid contamination of the environmental samples.**
- 7) Chain-of-Custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to sign COC) or lab personnel, if hand delivered. The shipping slip should be kept on file to track the samples.
- 8) Samples should be shipped for delivery the following day or hand delivered the following morning.

## **SAMPLING PROCEDURES FOR FRESH AND WEATHERED OIL**

**Fresh oil** is oil which has recently spilled into the environment (aquatic or terrestrial) and has had limited opportunity for degradation (weathering). Fresh oil is typically found and collected in the slick, near the source. Wear personal protection equipment while sampling fresh oil.

**Weathered oil** is oil which has spilled from the source into the environment (aquatic or terrestrial) and has remained in the environment long enough for degradation/change (weathering) of the oil to occur. Oil weathers over time, therefore "weathered oil" is a generic term to describe many stages of degradation. In order to properly document the degradation of the oil over time, several samples of weathered oil are usually needed. Weathered oil samples may consist of the floating oil slick, mousse, or oil deposits on the shoreline. Sampling locations should be well documented.

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with USEPA Protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
- 2) Oil samples should be collected in two (2) 1.0 liter, pre-cleaned amber bottles or vials (as appropriate). If the oil has solidified, 4 oz. wide-mouth, Teflon-lined jars can also be used.
- 3) Fill out sample labels with date, time, unique sample ID, analyses to be conducted, and sampler's initials.
- 4) For each oil sample, the oil should be skimmed off the surface of the water or land using the bottle or a sterile disposable scoop if needed. The amount of non-oil collected (water or soil) should be minimized.
- 5) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 6) Place samples in a designated cooler with ice to maintain a temperature of 4°C. **This cooler should only contain source, fresh, or weathered oil samples in order to avoid contamination of the environmental samples.**
- 7) Chain-of-Custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to sign COC or lab personnel, if hand delivered. The shipping slip should be kept on file to track the samples.
- 8) Samples should be shipped for delivery the following day or hand delivered the following morning.

## **SAMPLING PROCEDURES FOR SURFACE WATER: TPH, PAH, AND BTEX ANALYSES**

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with USEPA Protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
  - a. Water samples for TPH-DRO analysis should be collected in two (2) 1.0 liter, pre-cleaned amber bottles.
  - b. Water samples for BTEX and TPH-GRO analysis should be collected in two (2), 40 ml glass vials containing HCl to reduce the pH to  $< 2$  units.
  - c. Water samples for PAH analysis should be collected in two (2) 1.0 liter, pre-cleaned amber bottles.
- 2) Fill out sample labels with date, time, unique sample ID, analyses to be conducted, sampler's initials, and sample preservatives if any.
- 3) **For TPH Analysis:** Each of two (2) closed 1.0 liter bottles should be submerged at least 10 cm below the water surface, the lids should be removed, and the bottles allowed to fill with water. The lids should be replaced and the bottles removed from the water.
- 4) **For BTEX and TPH-GRO Analysis:** One (1) of the two liters filled above should be used to fill the 40 ml glass vials, leaving no headspace. The remaining sample should be used for TPH analysis.
- 5) **For PAH Analysis:** Each of two (2) closed 1.0 liter bottles should be submerged at least 10 cm below the water surface, the lids should be removed, and the bottles allowed to fill with water. The lids should be replaced and the bottles removed from the water.
- 6) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 7) Place samples in a designated cooler with frozen "Blue-Ice" or ice to maintain a temperature of 4°C. **This cooler should not contain any source, fresh or weathered oil samples in order to avoid contamination of the environmental samples.**
- 8) Chain-of-custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to sign COC or lab personnel, if hand delivered). The shipping slip should be kept on file to track the samples.
- 9) Samples should be shipped for delivery the following day or hand delivered the following morning.

## **SAMPLING PROCEDURES FOR SOIL/SEDIMENT: TPH, PAH, TOC, AND GRAIN SIZE ANALYSES**

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with U.S. EPA protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
- 2) **Soil/Sediment samples collected for TPH-DRO, PAH, Total Organic Carbon (TOC) or Grain Size Analysis** will be collected in a 4 oz glass jar. (Note: Samples for each analysis should be collected in separate containers, and samples for grain size analysis should not be frozen.)
- 3) **Soil/Sediment samples collected for BTEX and TPH-GRO analysis** will be collected in three (3), pre-weighed 40 ml glass vials: one preserved with methanol and two preserved with sodium bisulfate.
- 4) Fill out sample label with date, time, unique sample ID, analyses to be conducted, and sampler's initials.
- 5) **Soft Soil or Sediments in Shallow Waters:** The sample can be collected using stainless steel spoons. Samples containerized in 40 ml vials should be collected by pushing a laboratory supplied plastic syringe directly into the spooned sediment. Samples containerized in 4 oz jars can be filled directly from the stainless steel spoon. Care should be taken when filling the jars to minimize headspace. One spoon should be used for each sample to minimize the potential for cross-contamination. Additionally, each spoon should be decontaminated prior to and after sampling.
- 6) **Hard or Rocky Soil, or in Shallow Waters where the Substrate is Hard:** A decontaminated polycarbonate hand core can be used to collect samples. The core tube should be inserted three quarters into the surface, removed and the upper 2-4 inches placed into the 4 oz. jar. Cores should be removed using a wooden dowel covered with sterile aluminum foil and by pushing the sediments through the core from the bottom. The sample should be collected leaving as little headspace as possible.
- 7) **Deep Water Sediment Samples:** A ponar-grab sampler should be used to collect the sediment sample. The sample should then be placed in a 4 oz jar leaving as little headspace as possible.
- 8) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 9) Place samples in a designated cooler with frozen "Blue-Ice" or ice to maintain a temperature of 4°C. **This cooler should not contain any source, fresh or weathered oil samples in order to avoid contamination of the environmental samples.**
- 10) Chain-of-Custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to

sign COC or lab personnel, if hand delivered. The shipping slip should be kept on file to track the samples.

**11)** Samples should be shipped for delivery the following day or hand delivered the following morning.

ANALYSES CONSIDERED FOR A SPECIFIC INCIDENT WILL VARY DEPENDING UPON A VARIETY OF FACTORS SUCH AS  
PRODUCT SPILLED, ETC. - NOT ALL ANALYSES WILL BE IMPLEMENTED FOR AN EVENT

## SURFACE WATER

ANALYSIS	TARGET GROUP	ANALYTES	RATIONALE/COMMENTS
Chemical Analyses	<ul style="list-style-type: none"> <li>Benzene, Toluene, Ethylbenzene, Xylene (BTEX)</li> </ul>	Aromatic volatile organic compounds	Measure volatile organics in water and assess possible concerns related to BTEX contamination.
	<ul style="list-style-type: none"> <li>Total Petroleum Hydrocarbons (TPH) including GRO and DRO analyses</li> </ul>	Volatile and semi-volatile hydrocarbons	Measure the petroleum content of the sample. Gasoline Range Organics (GRO) for gasoline-contaminated samples and Diesel Range Organics (DRO) for diesel and heavier hydrocarbon samples.
	<ul style="list-style-type: none"> <li>Polycyclic Aromatic Hydrocarbons (PAH)</li> </ul>	2-6 ring PAHs and selected alkylated homologues	Measure polycyclic aromatic hydrocarbons (major toxic components) in water. Particularly important to differentiate between multiple sources of contamination (e.g., "fingerprinting").
Toxicity Analyses <i>Freshwater (F) or Marine (M), as appropriate</i>	<ul style="list-style-type: none"> <li>Acute Toxicity: <i>Ceriodaphnia dubia</i> (F) <i>Pimephales promelas</i> (F) <i>Mysidopsis bahia</i> (M) <i>Cyprinodon variegatus</i> (M)</li> </ul>	Mortality and observed effects to selected test species	Toxicity tests measure the net interactive effects of contaminated surface water samples on aquatic organisms. Acute toxicity tests are conducted immediately after a spill to evaluate whether the spilled oil is exerting toxic effects on local biota. Also can be used to demonstrate lack of toxicity (injury) in certain cases.
	<ul style="list-style-type: none"> <li>Chronic Toxicity: <i>Ceriodaphnia dubia</i> (F) <i>Pimephales promelas</i> (F) <i>Mysidopsis bahia</i> (M) <i>Cyprinodon variegatus</i> (M)</li> </ul>	Mortality, reproduction, growth, fecundity and other observed effects to selected test species	Toxicity tests measure the net interactive effects of contaminated surface water samples on aquatic organisms. Chronic toxicity tests are conducted after a spill to evaluate low level concentrations and potential for sublethal, toxic effects (e.g., reduced growth or reduced reproduction) of the spilled material.

ANALYSES CONSIDERED FOR A SPECIFIC INCIDENT WILL VARY DEPENDING UPON A VARIETY OF FACTORS SUCH AS



PRODUCT SPILLED, ETC. - NOT ALL ANALYSES WILL BE IMPLEMENTED FOR AN EVENT *continued...*

## SEDIMENTS AND SOILS

ANALYSIS	TARGET GROUP	ANALYTES	RATIONALE/COMMENTS
Chemical Analyses	<ul style="list-style-type: none"> <li>Benzene, Toluene, Ethylbenzene, Xylene (BTEX)</li> </ul>	Aromatic volatile organic compounds	Measure volatile organics in sediments and assess possible concerns related to BTEX contamination.
	<ul style="list-style-type: none"> <li>Total Petroleum Hydrocarbons (TPH) including GRO and DRO analyses</li> </ul>	Volatile and semi-volatile hydrocarbons	Measure the petroleum content of the sample. Gasoline Range Organics (GRO) for gasoline-contaminated samples and Diesel Range Organics (DRO) for diesel and heavier hydrocarbon samples.
	<ul style="list-style-type: none"> <li>Polycyclic Aromatic Hydrocarbons (PAH)</li> </ul>	2-6 ring PAH and selected alkylated homologues	Measure polycyclic aromatic hydrocarbons in sediments and soils. Particularly important to differentiate between multiple sources of contamination (e.g., "fingerprinting").
	<ul style="list-style-type: none"> <li>Grain Size</li> </ul>	Percent gravel, sand, silt and clay class size distribution	Provides information on the particle size distribution and nature of the sedimentary environment. Used to normalize concentration of organic compounds.
	<ul style="list-style-type: none"> <li>Total Organic Carbon (TOC)</li> </ul>	Organic carbon	Used to normalize the concentration of organic compounds which may be in the sediment or soil samples.
Toxicity Analyses	<ul style="list-style-type: none"> <li>Moisture Content</li> </ul>	Percent moisture of sediment samples	Measure water (moisture) content of samples. Used to convert to dry weight.
	<ul style="list-style-type: none"> <li>Acute Toxicity (Sediments): <i>Hyallella azteca</i> <i>Chironomus</i> sp.</li> </ul>	Mortality, reproduction, growth, and other observed effects to selected test species	Toxicity tests measure the net interactive effects of oil deposits in sediments. Toxicity tests assist in assessing spill-related injury to sediment dwelling organisms.

## TEST METHODS FOR SPECIFIC CHEMICAL AND TOXICITY ANALYSES CONDUCTED

Analyte(s)	Sample Matrix	Possible Test Method (1)
<b>BTEX + MTBE Volatiles (2)</b>	<b>Oil</b>	USEPA Method 8260B
	<b>Water</b>	USEPA Method 8260B
	<b>Soil or Sediment</b>	USEPA Method 8260B
<b>TPH - GRO (3)</b>	<b>Oil</b>	USEPA Method 8015C
	<b>Water</b>	USEPA Method 8015C
	<b>Soil or Sediment</b>	USEPA Method 8015C
<b>TPH - DRO (4)</b>	<b>Oil</b>	USEPA Method 8015C
	<b>Water</b>	USEPA Method 8015C
	<b>Soil or Sediment</b>	USEPA Method 8015C
<b>PAH Semi-Volatiles</b>	<b>Oil</b>	USEPA Method 8270D
	<b>Water</b>	USEPA Method 8270D
	<b>Soil or Sediment</b>	USEPA Method 8270D
<b>Acute Toxicity</b>	<b>Oil</b>	(5)
	<b>Water</b>	(5)
	<b>Soil or Sediment</b>	(6)

**Notes:**

- 1) Additional test methods may be used that are specific for the laboratory, matrix/oil type, etc.
- 2) Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), and Methyl Tertiary Butyl Ether (MTBE) analyses.
- 3) Total Petroleum Hydrocarbons (TPH) - Gasoline Range Organics (GRO) analyses.
- 4) Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) analyses.
- 5) See for example EPA-821-R-02-012 (October 2002).
- 6) See for example American Society for Testing and Materials. Standard Guide for Conducting Sediment Toxicity Tests with Polychaetous Annelids. ASTM E1611 – 00 (2007), Vol 11.06, E47.03.

**To:** Tripp, Christopher[tripp.christopher@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:53:44 AM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.docx

Chris,

Please start with this edited document for tomorrow SITREP. Tomorrow is a new day, it will be good.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Wednesday, September 14, 2016 8:45 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Fwd: SITREP #5 - Pelham Pipeline Spill

Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Date:** September 14, 2016 at 8:25:09 PM EDT  
**To:** "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Tripp, Christopher" <[tripp.christopher@epa.gov](mailto:tripp.christopher@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday

when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Tripp, Christopher  
**Sent:** Wed 9/14/2016 11:11:23 PM  
**Subject:** RE: Delivery time for SitReps  
Pelham Pipeline Spill SITREP 5 09142016.docx

Greg,

Please find attached the SITREP for Pelham Pipeline Spill.

Thanks,

Chris

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 6:22 PM  
**To:** Moore, Tony <moore.tony@epa.gov>  
**Cc:** Berry, Chuck <Berry.Chuck@epa.gov>; Tripp, Christopher <tripp.christopher@epa.gov>  
**Subject:** Re: Delivery time for SitReps

Message from Chuck:

Situation report will be delayed one hour due to the UC meeting being delayed one hour due to my TV interview.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor



61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

Sent from my iPhone

On Sep 14, 2016, at 6:11 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Date:** September 14, 2016 at 6:10:00 PM EDT

**To:** Franklin Hill <[hill.franklin@epa.gov](mailto:hill.franklin@epa.gov)>, <[Chaffins.Randall@epa.gov](mailto:Chaffins.Randall@epa.gov)>, "James Webster" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Subject: Delivery time for SitReps**

To accommodate site meetings at Pelham Gas, the OSC has asked to move the time back to a 1900 delivery time for pending and future SitReps

Sent from my iPhone



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #5**

1800 CDT, September 14, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

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### **INCIDENT MANAGEMENT**

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OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4